West Chester State College Bulletin

Catalogue Number

1960-1961 Sessions

West Chester, Pennsylvania

WEST CHESTER
STATE COLLEGE BULLETIN

WEST CHESTER, PENNSYLVANIA

1960-1961 Sessions

CATALOGUE NUMBER

Vol. LXXXVIII No. 2

March, 1960

WEST CHESTER, PENNSYLVANIA

WEST CHESTER STATE COLLEGE

IS ACCREDITED BY

THE MIDDLE STATES ASSOCIATION OF COLLEGES

AND SECONDARY SCHOOLS,

THE NATIONAL COUNCIL FOR ACCREDITATION

OF TEACHER EDUCATION,

THE AMERICAN ASSOCIATION FOR HEALTH,

PHYSICAL EDUCATION, AND RECREATION,

AND

THE NATIONAL ASSOCIATION OF SCHOOLS OF MUSIC

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CORRESPONDENCE AND COMMUNICATIONS

Listed below are the offices to which inquiries should be directed. In each case, the post office address is: West Chester State College, West Chester, Pa.; telephone: OWen 6-7800.

Dean of Academic Affairs—

- Certification requirements for teaching
- Courses and curricula
- Graduation requirements
- Selective Service information
- Veterans' affairs

Director of Admissions—

- Applications and Admissions to the Undergraduate program
- Catalogues and other publications

Business Manager—

- Deferred Payments
- Fees and Expenses
- Refunds on Accounts

Dean of Student Affairs—

- Scholarships and loans
- Work opportunities for students

Director of Student Teaching and Placement—

- Placement Service

Director of Graduate Studies—

- Admissions to the Graduate program
- Graduate School Catalogue

Registrar—

- Transcripts of college credits

CALENDAR FOR 1960

JANUARY

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CALENDAR FOR 1961

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COLLEGE CALENDAR

The Academic Year, 1960-1961

The First Semester

Last day to qualify for admission
to the Fall semester ..... Thursday, September 1
Registration of
Freshmen and Seniors ..... Thursday, September 8
Registration of
Sophomores and Juniors ..... Friday, September 9
Classes begin at 8:00 A. M. ..... Monday, September 12
No late registrations accepted after.... Thurs. September 15
Last day for approved
withdrawal from a course..... Friday, October 7
Thanksgiving Recess begins at the
close of classes ..... Tuesday, November 22
Thanksgiving Recess ends
at 8:00 A. M. ..... Monday, November 28
Christmas Recess begins at the
close of classes ..... Saturday, December 17
Christmas Recess ends
at 8:00 A. M. ..... Tuesday, January 3
First semester ends
at the close of classes ..... Friday, January 20

The Second Semester

Last day to qualify for admission
to the Spring semester..... Monday, January 16
Registration of
Freshmen and Seniors ..... Monday, January 23
Registration of
Sophomores and Juniors..... Tuesday, January 24
Classes begin at 8:00 A. M..... Wednesday, January 25
No late registration accepted after..... Friday, January 27
Last day for approved
withdrawal from a course..... Tuesday, February 21
Easter Recess begins at
the close of classes ..... Tuesday, March 28
Easter Recess ends at 8:00 A. M..... Tuesday, April 4
Alumni Day ..... Saturday, May 20
Commencement ..... Sunday, May 21

The Summer Sessions, 1961

Pre-Session

Registration: 8:30-11:30 A. M. .....Monday, June 5
Classes begin: 1:30 P. M. .....Monday, June 5
Classes end .....Friday, June 23

Regular Session

Registration: 8:30-11:30 A. M.;
1:30-3:30 P. M. .....Monday, June 26
Classes begin .....Tuesday, June 27
Classes end .....Friday, August 4

Post-Session

Registration: 8:30-11:30 A. M. .....Monday, August 7
Classes begin at 1:30 P. M. .....Monday, August 7
Classes end .....Friday, August 25

COMMONWEALTH OF PENNSYLVANIA

STATE COUNCIL OF EDUCATION

Dr. Charles H. Boehm, President

and Chief Executive Officer

Paul R. Anderson ..... Pittsburgh
James H. Duckrey ..... Cheyney
O. H. English ..... Abington
Stephen B. Sweeney ..... Philadelphia
Willard E. Gladfelter ..... Philadelphia
Cathleen M. Champlin ..... Philadelphia
George E. Hamilton ..... Meadville
Andrew J. Nowak ..... Erie

DEPARTMENT OF PUBLIC INSTRUCTION

Charles H. Boehm ..... Superintendent of Public Instruction
Harold F. Alderfer ..... First Deputy Superintendent
George W. Hoffman ..... Deputy Superintendent
Ralph C. Swan ..... Deputy Superintendent
Clarence E. Ackley ..... Deputy Superintendent
Richard Schier ..... Deputy Superintendent

COLLEGE BOARD OF TRUSTEES

Charles W. David, *President* ..... Wayne
John Stokes Adams, Jr., *Vice-President* ..... Malvern
Mrs. J. Herbert Chambers, *Secretary-Treasurer* ... West Chester
Mrs. Nolan Atkinson ..... Bryn Mawr
Robert R. Batt ..... Ithan
Elizabeth Read Ross ..... Doylestown
H. LaRue Frain ..... Birchrunville
Robert M. Urbani ..... Wynnewood
Harry C. Symons ..... Pottstown

ADMINISTRATIVE OFFICERS

T. NOEL STERN ..... President

EARL F. SYKES ..... Dean of Academic Affairs

JACK A. OWENS ..... Dean of Student Affairs

THOMAS E. BERRY .... Acting Director of the Graduate Division

EMIL H. MESSIKOMER ..... Acting Director of the Undergraduate Division

B. PAUL ROSS ..... Director of Admissions

MILTON C. WOODLEN ..... Assistant Director of Admissions

MARK M. EVANS ..... Director of Student Teaching and Placement

ALTON C. CHILDERS ..... Acting Principal of the Demonstration School

W. GLENN KILLINGER ..... Dean of Men

ROBERT M. MITTEN ..... Assistant Dean of Men

M. JANE CATON ..... Dean of Women

BERNICE H. BERNATZ ..... Assistant Dean of Women

ROBERT W. REESE ..... Faculty Director of Athletics

EVERETT E. SHAEFER ..... Business Manager

SARAH F. D. MILLER ..... Registrar

HERBERT CLAVIER .... Superintendent of Buildings and Grounds

FACULTY

1959 — 1960

H. LA RUE FRAIN, *Acting President* (1959)
University of Pennsylvania, B.S., M.A., Ph.D.

JAMES ANDES, *Professor* (1928) *Social Studies*
Chairman of the Department
(Deceased April 24, 1960)
University of Pennsylvania, B.S., Ph.D.

ALEXANDER ANTONOWICH, *Professor* (1945) *Music*
Supervisor of Student Teaching
Institute of Musical Art; Juilliard School of Music, B.S.;
Columbia University, M.A., Ed.D.

DOROTHY D. BAILEY, *Professor* (1958) *English*
Our Lady of the Lake College, B.A.;
University of Texas, M.A.;
University of Wisconsin, Ph.D.

MICHAEL F. BANNON, *Professor* (1955) *Education*
State Teachers College, Troy, Alabama, B.S.;
Teachers College, Columbia University, M.A.;
Peabody College, Ed.D.

EDWARD A. BARROW, *Assistant Professor* (1956) *Music*
Eastman School of Music, University of Rochester, B.M., M.M.

ELIZABETH B. BEATTY, *Instructor* (1960) *Music*
University of Michigan, B.M.

HAROLD W. BENDA, *Professor* (1956) *Education*
Chairman of the Department
Iowa State Teachers College, B.A.;
University of Iowa, M.A.;
New York University, Ed.D.

**WILLIAM R. BENNER, *Assistant Professor* (1938)
Social Studies
West Chester State Teachers College, B.S.;
Temple University, M.A.

GERTRUDE W. BERNARD, *Associate Professor* (1957) *Music*
Supervisor of Student Teaching
Carnegie Institute of Technology, B.F.A.;
Pennsylvania State University, M.Ed.

BERNICE H. BERNATZ (1954) *Assistant Dean of Women*
Iowa State Teachers College, B.A.;
University of Michigan, M.A.

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* With the exception of the President, names are arranged in alphabetical order with date of appointment in parenthesis.
** Leave of absence, Spring semester, 1960.

THOMAS E. BERRY, *Professor* (1946) — *English*
University of Pennsylvania, A.B., A.M.;
University of Pittsburgh, Ph.D.

JAMES A. BINNEY, *Professor* (1947) — *English*
Clarion State Teachers College; Pennsylvania State University, B.A.;
University of Pittsburgh, M.A., Ph.D.

MARY M. BLISS, *Assistant Professor* (1952) — *Science*
Swarthmore College, B.A.,; Temple University, M.S.

JAMES B. BONDER, *Professor* (1946) — *Education*
LaSalle University, B.A.; Villanova University, M.A.;
Temple University, Ed.D.

KENNETH BRADDOCK-ROGERS, *Professor* (1938) — *Science*
Haverford College, B.S.; University of Pennsylvania, M.S., Ph.D.

M. JANE CATON (1954) — *Dean of Women*
Indiana State Teachers College, (Terre Haute, Ind.), B.S.;
Ohio University, M.S.

ROBERT CARL, *Assistant Professor* (1946) — *Music*
Johns Hopkins University, B.S.;
Peabody Conservatory, B.Mus., M.Mus.

*BARBARA CARNATHAN, *Assistant Professor* (1960) — *Library*
Immaculata College, B.S.;
Temple University, M.S.

PAUL E. CARSON, *Associate Professor* (1946) — *Music*
Central Missouri State College, B.S.;
Carnegie Institute of Technology, M.F.A.

FRANK T. CHEESMAN, *Professor* (1947) — *Music*
Conservatory of Music, Toronto, Canada;
Northwestern University, B.Mus., M.Mus.;
Columbia University, Ed.D.

ALTON J. CHILDERS, *Associate Professor* (1952) — *Education*
Acting Principal Demonstration School
Glenville State Teachers College, A.B.;
West Virginia University, M.A.

JOHN W. CLOKEY, *Associate Professor* (1946) — *English*
West Chester State Teachers College, B.S.;
Temple University, M.Ed.

BARBARA JANE COATES, *Assistant Professor* (1945) — *Health and Physical Education*
Lock Haven State Teachers College, B.S.;
Allegheny College, M.A.

NORMAN A. COCHRAN, *Associate Professor* (1956) — *Health and Physical Education*
West Chester State Teachers College, B.S.
University of Maryland, M.A.

* Spring semester, 1960.

FAYE A. COLLICOTT, *Associate Professor* (1929) *Library*
Simpson College, B.A.;
Columbia University, B.S. in Library Science, M.A.

*GERALDINE CONBEER, *Associate Professor* (1946) *Library*
Millersville State Teachers College, B.S.;
University of Pittsburgh, M.Ed.;
Drexel Institute of Technology, B.S. in Library Science.

EDWIN B. COTTRELL, *Professor* (1955) *Health and Physical Education*
Supervisor of Student Teaching
Slippery Rock State Teachers College, B.S.;
University of Pittsburgh, M.Ed.;
Pennsylvania State University, Ed.D.

MILDRED L. COTTRELL, *Instructor* (1956) *Health and Physical Education*
Slippery Rock State Teachers College, B.S.

ALVIN B. DAVIS, *Associate Professor* (1948) *Health and Physical Education*
Panzer College, B.S.;
State Teachers College, Montclair, New Jersey, M.A.

WILLIAM EISENBERG, *Assistant Professor* (1959) *English*
University of Delaware, B.A.
Lehigh University, M.A.

CHARLES P. EMERY, *Assistant Professor* (1957) *Education*
Supervisor of Student Teaching
West Chester State Teachers College, B.S.
University of Pennsylvania, M.S.

MARK M. EVANS, *Professor* (1947) *Education*
Acting Director of Student Teaching and Placement
Dickinson College, B.Ph.; University of Pittsburgh, M.Ed., Ph.D.

EDWARD G. EVERETT, *Professor* (1954) *Social Studies*
Indiana State Teachers College, B.S.;
University of Pittsburgh, M.A.; Ph.D.

KATHERINE W. FAUCETT, *Assistant Professor* (1956) *English*
Washington College, B.A.;
University of Pennsylvania, M.A.

ALBERT E. FILANO, *Professor* (1956) *Mathematics*
Chairman of the Department
University of Pennsylvania, B.S., M.S.
Pennsylvania State University, Ph.D.

ELIZABETH FORSYTHE FITZGERALD, *Instructor* (1959) *Science*
Wilson College, B.A.

BYRON Y. FLECK, *Professor* (1953) *Social Studies*
Franklin and Marshall College, B.A.;
University of Iowa, M.A., Ph.D.

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* Leave of absence, Spring semester, 1960.

ARNOLD FLETCHER, *Professor* (1946) *Music*
Temple University, B.S., M.Ed.; University of Pennsylvania, Ed.D.

IRVING ROBERT GESCHWINDT, *Assistant Professor* (1959) *Mathematics*
Pennsylvania State University, B.S.;
University of Delaware, M.Ed.

*ROBERT B. GORDON, *Professor* (1938) *Science*
Chairman of the Department
Ohio State University, B.Sc., M.Sc., Ph.D.

MIRIAM S. GOTTLIEB, *Associate Professor* (1946) *Music*
Juilliard School of Music; University of Denver, B.A.;
Columbia University, M.A.

THELMA J. GREENWOOD, *Assistant Professor* (1927) *Science*
West Chester State Teachers College;
University of Pennsylvania, B.S.;
New York University, M.A.

CATHERINE ESTHER GREGG, *Professor* (1954) *Education*
Oberlin College, A.B.; Western Reserve University, M.A.;
Columbia University, Ph.D.

JOHN W. GUTSCHER, *Associate Professor* (1946) *Music*
Juilliard School of Music, B.S.; Columbia University, M.A.;
Leipzig Conservatory; New York College of Music.

ETHEL GLADYS HAAS, *Associate Professor* (1953) *Education*
Plattsburg State Teachers College, B.S.;
University of Maryland, M.Ed.

RAY K. HACKER, *Assistant Professor* (1957) *Library*
Kutztown State Teachers College, B.S.
University of Michigan, M.A.L.S.

JOSEPH K. HALL, *Associate Professor* (1953) *Library*
Head Librarian
University of Kentucky, A.B.;
Columbia University, B.S. in Library Science;
Villanova University, M.A.

H. THEODORE HALLMAN, *Associate Professor* (1950) *Art*
Chairman of the Department
Philadelphia Museum School of Fine Art;
Temple University Tyler School of Fine Arts, B.F.A., B.S.Ed.,
M.F.A.

CLIFFORD H. HARDING, *Professor* (1953) *Social Studies*
Nebraska State College, A.B.; State University of Iowa, M.A.
New York University, Ph.D.

ARTHUR S. HAWTHORNE, *Associate Professor* (1949) *Geography*
California State Teachers College, B.S.;
University of Pittsburgh, M.A.

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* Leave of absence, Spring semester, 1960.

WILLIAM H. HENRY, JR., *Associate Professor* (1960) *English*
University of Pennsylvania, A.B.
Temple University, Ed.M., A.M.

JULIUS M. HILL, *Professor* (1955) *Education*
Northern Michigan College of Education, B.S.;
University of Michigan, M.A., Ph.D.

ELIZABETH ILGENFRITZ, *Assistant Professor* (1959) *Education*
Demonstration School
West Chester State Teachers College, B.S.
Pennsylvania State University, M.Ed.

HELEN T. IVINS, *Assistant Professor* (1946) *Social Studies*
West Chester State Teachers College, B.S.;
University of Pennsylvania, M.S.

CONSTANTINE JOHNS, *Professor* (1954) *Music*
Southeast Missouri State Teachers College, B.S.;
Teachers College, Columbia University, M.A., Ed.D.

*DOROTHY S. JOHNSTON, *Assistant Professor* (1953) *Music*
Supervisor of Student Teaching
West Chester State Teachers College, B.S.;
Temple University, M.Ed.

ARTHUR E. JONES, *Professor* (1936) *Music*
New York University, B.S.Mus., M.A., Ph.D.

ALVIN S. KEINARD, *Professor* (1948) *Geography*
Chairman of the Department
Juniata College, B.A.; Pennsylvania State University, M.Ed.; Ed.D.

ANNE SIMON KELLY, *Instructor* (1952) *Music*
Academy of Vocal Arts, Philadelphia, Pa.

DONALD H. KERCHNER, *Assistant Professor* (1959) *Library*
Kutztown State Teachers College, B.S.
Syracuse University, M.S. in Library Science

W. GLENN KILLINGER (1934) *Dean of Men*
Pennsylvania State University, B.S.; Columbia University, M.A.;
Gettysburg College, Sc.D.

CHARLOTTE E. KING, *Associate Professor* (1955) *Education*
Temple University, B.S. in Ed., Ed.M.

CARRIE C. KULP, *Assistant Professor* (1958) *Education*
Demonstration School
Wheaton College, B.A.; University of Delaware, M.Ed.

WILLIAM LANDRUM, *Associate Professor* (1953) *English*
Virginia Military Institute, B.A.;
Temple University, M.A.

GEORGE LANGDON, *Professor* (1956) *Geography*
Pennsylvania State University, B.S., M.S.
Clark University, Ph.D.

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* First semester, Fall-Winter, 1959-60.

MURIEL LEACH, *Assistant Professor* (1930) *Health and Physical Education*
Sargent School; Columbia Universiity, B.S., M.A.

*BESSIE LEIBY, *Assistant Professor* (1960) *Nursing Education*
Mars Hill College, A.A.
University of Pennsylvania, B.S.
University of Pittsburgh, M.P.H.

ANNE C. LEUIKEN, *Assistant Professor* (1958) *Education Demonstration School*
Wilson College, A.B.;
Temple University, M.Ed.

MELVIN M. LORBACK, *Associate Professor* (1957) *Health and Physical Education*
State University Teachers College, Brockport, N. Y., B.S.;
Pennsylvania State University, M.S.

JAMES M. MCDONNELL, *Assistant Professor* (1953) *Science*
Temple University, A.B., M.A.

ROBERT MCENTIRE, *Associate Professor* (1958) *English*
Westminster College, B.A.; University of Michigan, M.A.

ROBERT D. MCKINNEY, *Associate Professor* (1952) *Art*
Edinboro State Teachers College, B.S.;
Pennsylvania State University, M.Ed.

CHESTER L. MCTAVISH, *Professor* (1946) *Science*
Juniata College, B.S.; Pennsylvania State University, M.S., Ed.D.

MARY M. MANEVAL, *Professor* (1956) *Social Studies*
Pennsylvania State University, B.A.;
University of Michigan, M.A., Ph.D.

KATHERINE A. MARGERUM, *Assistant Professor* (1959) *Health and Physical Education*
West Chester State Teachers College, B.S.
Temple University, M.Ed.

EDNA DOWLAND MARTIN, *Associate Professor* (1953) *Education Supervisor of Student Teaching*
Teachers College, Columbia University, B.S., M.A.

LUCILE MEREDITH, *Associate Professor* (1931) *Education Demonstration School*
Women's College of the University of North Carolina, B.A.;
Columbia University, M.A.

EMIL H. MESSIKOMER, *Associate Professor* (1946) *Acting Assistant Dean of Instruction*
West Chester State Teachers College, B.S.;
Columbia University, M.A.

* Part-time instructor.

CHARLES M. MICKEN, *Professor* (1959) *Education*
Supervisor of Student Teaching
Millersville State Teachers College, B.S.
University of Pennsylvania, M.S., Ed.D.

S. POWELL MIDDLETON, *Assistant Professor* (1935) *Music*
West Chester State Teachers College, B.S.;
Duquesne University, M.A.

JOSEPH B. MILLER, *Assistant Professor* (1959) *Health and Physical Education*
University of Delaware, B.S.
New York University, M.S.

LLOYD C. MITCHELL, *Professor* (1936) *Music*
Chairman of the Department
Morningside College, Sioux City, Iowa;
Peabody Conservatory of Music, B.Mus., M.Mus.
Pennsylvania State University, Ed.D.

ROBERT M. MITTEN, *Assistant Professor* (1953) *Health and Physical Education*
Assistant Dean of Men
University of North Carolina, A.B., A.M.

CLIFTON E. MORGAN, *Assistant Professor* (1956) *Social Studies*
East Stroudsburg State Teachers College, B.S.;
Rutgers University, M.A.

*ELEANOR NEASHAM, *Assistant Professor* (1960) *Nursing Education*
New York University, B.S.
Columbia University, M.S.

EDWARD NORRIS, *Associate Professor* (1958) *Health and Physical Education*
West Chester State Teachers College, B.S.;
Medical College of Virginia, M.S. in Physical Therapy

ARTHUR J. ORLOSKE, *Associate Professor* (1958) *Health and Physical Education*
University of Wisconsin, B.S.; M.S.

JACK A. OWENS, *Professor* (1956) *Health and Physical Education*
Acting Director of Personnel
Concord College, B.A.
West Virginia University, M.S.;
Pennsylvania State University, Ed.D.

CHARLES W. PATTERSON, *Associate Professor* (1946) *Education*
Shippensburg State Teachers College, B.S.;
Duke University, M.Ed.

DOROTHY RAMSEY, *Assistant Professor* (1928) *English*
University of Pennsylvania, B.S., A.M.

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* Part-time instructor.

N. RUTH REED, *Associate Professor* (1953) *Health and Physical Education*
East Stroudsburg State Teachers College, B.S.;
Pennsylvania State University, M.Ed.

ROBERT W. REESE, *Assistant Professor* (1951) *Health and Physical Education*
East Stroudsburg State Teachers College, B.S.;
University of Pennsylvania, M.S.

RUSSELL K. RICKERT, *Associate Professor* (1956) *Science*
West Chester State Teachers College, B.S.
University of Delaware, M.S.

FRANCES W. RING, *Assistant Professor* (1960) *Art*
Columbia University, B.S.
Parsons School of Fine and Applied Art, M.A.

ALFRED D. ROBERTS, *Professor* (1959) *Modern Foreign Languages*
Ursinus College, B.A.
University of Pennsylvania, M.A., Ph.D.

B. PAUL ROSS, *Professor* (1946) *Education Director of Admissions*
Clarion State Teachers College;
Pennsylvania State University, B.S., M.S., Ed.D.

ANNE M. SCHAUB, *Assistant Professor* (1929) *Health and Physical Education Supervisor of Student Teaching*
Columbia University, B.S., M.A.

MARY S. SCHINAGL, (1959) *Assistant Dean of Women*
College of Chestnut Hill, Philadelphia, Pa., B.A.
University of Pennsylvania, M.A.

*DOLORES B. SCHMIDT, *Associate Professor* (1960) *English*
Hunter College, B.A.
University of Pennsylvania, M.A.

HAROLD SHAFFER, *Associate Professor* (1952) *Social Studies*
Susquehanna University, A.B.;
University of Pittsburgh, Litt.M.

JANE SHEPPARD, *Associate Professor* (1953) *Music*
Westminster College, B.M.; Juilliard School of Music;
Columbia University, M.A. in Music.

MARGARET W. SHIVERS, *Associate Professor* (1959) *Science and Mathematics*
Duke University, B.A., M.A.

IRENE G. SHUR, *Assistant Professor* (1956) *Social Studies*
Ohio State University, B.S.;
University of Delaware, M.Ed.

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* Spring semester, 1960

CAROLYN SIMMENDINGER, *Assistant Professor* (1958) *Art*
Kutztown State Teachers College, B.S.;
Temple University, M.F.A.

WILLIAM C. SKILLEN, *Assistant Professor* (1946) *Science*
Temple University, B.S.; University of Pennsylvania, M.S.

KENNETH C. SLAGLE, *Professor* (1938) *English and Foreign Languages*
Chairman of the Department
Mount Union College, B.A.;
University of Pennsylvania, A.M., Ph.D.

ANNE L. SMITH, *Associate Professor* (1928) *Education*
Demonstration School
Galloway College, B.A.; Northwestern University, M.A.

JANE GRAY SMITH, *Associate Professor* (1955) *Library*
Millersville State Teachers College, B.S.
Pennsylvania State University, M.Ed.;
School of Library Science, Columbia University, M.L.S.

CHARLES A. SPRENKLE, *Assistant Professor* (1955) *Music*
Peabody Conservatory of Music, B.M., M.M.;
Johns Hopkins University, B.S.

*RUTH S. STANLEY, *Assistant Professor* (1959) *Mathematics*
University of Oklahoma, B.S., M.A.

RICHARD L. STRAYER, *Assistant Professor* (1956) *Education*
West Chester State Teachers College, B.S.;
University of Delaware, M.Ed.

RICHARD G. STUDENMUND, *Associate Professor* (1956) *Education*
Supervisor of Student Teaching
Shippensburg State Teachers College, B.S.;
Temple University, M.Ed.

RUSSELL L. STRUZEBECKER, *Professor* (1946) *Health and Physical Education*
Chairman of the Department
Supervisor of Student Teaching
West Chester State Teachers College, B.S.;
Temple University, M.Ed., Ed.D.

DONALD B. SWEGAN, *Professor* (1959) *Health and Physical Education*
College of Wooster, Ohio, B.A.
Ohio State University, M.A.
Pennsylvania State University, Ed.D.

ROY D. SWEET, *Associate Professor* (1953) *Music*
Fredonia State Teachers College, B.S.;
Eastman School of Music, M.M.

* Fall semester, 1959-60.

EARL F. SYKES, *Professor* (1938) *Dean of Academic Affairs*
Montana University, B.A., M.A.; Columbia University, Ed.D.

WILLIAM A. TALLEY, *Assistant Professor* (1959) *Education Demonstration School*
West Chester State Teachers College, B.S.;
Harvard University, Ed.M.

ELINOR Z. TAYLOR, *Assistant Professor* (1955) *Health and Physical Education*
West Chester State Teachers College, B.S.; Temple University, M.Ed.

*POWELL S. THOMAS, *Associate Professor* (1946) *English*
Gettysburg College, B.A.; University of Pennsylvania, A.M.

ELLA M. TRAVIS, *Professor* (1954) *Mathematics*
West Virginia University, A.B.;
University of Pittsburgh, M.Ed., Ph.D.

WILLARD J. TREZISE, *Professor* (1938) *Science*
Lebanon Valley College, B.S.;
Johns Hopkins University, M.S., Ph.D.

ELIZABETH P. TURNER, *Associate Professor* (1959) *English and Latin*
Stephens College, Missouri, A.A.;
University of Missouri, B.S., M.A.

EDWARD T. TWARDOWSKI, *Associate Professor* (1951) *Health and Physical Education*
West Chester State Teachers College, B.S.;
University of Pennsylvania, M.S.

S. ELIZABETH TYSON, *Assistant Professor* (1922) *English*
West Chester State Teachers College;
New York University, B.S., M.A.

WILLIAM F. VOLLBRECHT, *Professor* (1938) *Social Studies*
Northwestern University, B.A., B.S.; Columbia University, M.A.;
University of Pennsylvania, Ph.D.

RICHARD P. WEAGLEY, *Professor* (1954) *Education*
Lebanon Valley College, B.S.;
Pennsylvania State University, M.Ed.; D.Ed.

W. BENJAMIN WHITTEN, *Assistant Professor* (1959) Music
Peabody Conservatory, College of Music, Johns Hopkins University, B.M.; M.M.

MARGARET J. WIANT, *Associate Professor* (1955) *Geography*
Clarion State Teachers College, B.S.;
University of Pittsburgh, M.Litt.

HARRY WILKINSON, *Professor* (1948) *Music*
Temple University, B.S., M.Ed.; Eastman School of Music,
University of Rochester, Ph.D.

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* Leave of absence, Spring semester, 1960

LOIS M. WILLIAMS, *Assistant Professor* (1955) *Music*
Western Michigan College of Education, B.Mus.;
Hochschule fur Musik, Cologne, Germany;
Teachers College, Columbia University, M.A.

DORA F. WOLFANGLE, *Associate Professor* (1929) *Education Demonstration School*
West Chester State Teachers College;
Columbia University, B.S., M.A.

MILTON C. WOODLEN, *Professor* (1952) *Education*
Temple University, B.S., Ed.M., Ed.D.

JAMES J. WRIGHT, *Professor* (1945) *Music*
West Chester State Teachers College, B.S.;
Temple University, M.Ed.; Eastman School of Music, Ph.D.

DOROTHY YANISCH, *Associate Professor* (1947) *Health and Physical Education*
West Chester State Teachers College, B.S.;
Temple University, M.Ed.

EMERITI

GRACE D. MCCARTHY *Department of English, Emeritus*
University of Michigan, B.A.; University of Chicago, M.A.

ANNE M. GOSHEN *Department of Education, Emeritus*
West Chester State Teachers College; University of Michigan, B.L.;
University of Pennsylvania, A.M.

GERTRUDE K. SCHMIDT *Department of Music, Emeritus*
Institute of Musical Art, New York; Trenton State Normal School;
New York University, B.S. Mus., M.A.

CHARLES W. HEATHCOTE *Department of Social Studies, Emeritus*
Gettysburg College, B.A.; University of Pennsylvania, A.M.;
George Washingtin University, Ph.D.

MARION FARNHAM *Department of Art, Emeritus*
Massachusetts School of Art; University of Puerto Rico, B.A.;
Boston University, M.A.

GEORGE R. CRESSMAN *Department of Education, Emeritus*
Pennsylvania State University, B.S.;
University of Pennsylvania, A.M., Ph.D.

SECRETARIAL STAFF

MARY R. WEIR, B.S. .....Secretarial Assistant to the Board of Trustees and to the President

BEVERLY N. LENNON, B.S. .....Receptionist and Assistant Secretary to the President

BETTY MILLS .....Secretary to the Dean of Academic Affairs

EDITH N. CAMPBELL, B.S. Secretary to the Dean of Student Affairs and Publications

JACQUELINE ALLISON .....Secretary to the Director, Graduate Division

MARY ANN W. KOMAR.....Secretary to the Director, Undergraduate Division

PHYLLIS D. BLEVINS .....Secretary to the Registrar

NANCY TREGO .....Secretary to the Dean of Men

SHIRLEY G. JOYCE .....Secretary to the Dean of Women

MABEL CALLOWAY .....Secretary to the Principal, Demonstration School

MARY K. GIBSON .....Secretary to the Director of Admissions

AUDREY D. GREGG.....Assistant Secretary to the Director of Admissions

MILDRED M. SCOTT .....Secretary to the Director of Student Teaching and Placement

JOYCE UNDERWOOD .....Assistant Secretary to the Director of Student Teaching and Placement

SARAH HOFFMAN ..Secretary to the Faculty Director of Athletics

FLORENCE MOSTELLER ..Secretary, Francis Harvey Green Library

JOAN RYAN ....Secretary, English and Education Departments

BETTY D. ARTERS.Secretary, Social Studies and Geography Depts.

CATHERINE SORENSON ..Secretary, Music Education Department

MELBA THOMAS .....Secretary, Health Education Department

CONSTANCE OLIN .....Secretary, Superintendent of Grounds and Buildings

ELEANOR POWELL .....Assistant Secretary Superintendent of Grounds and Buildings

ELIZABETH COMPTON ...Stenographic and Duplicating Services

BUSINESS OFFICE STAFF

Everett E. Shaefer, B.C.S., M.A. ..... Business Manager
Robert Crauder, A.B., M.B.A. ..... Assistant Business Manager
Elizabeth C. Griffith, B.S. ..... Principal Clerk
Sara Y. Hyatt ..... Accountant
Helen D. Patton, A.B. ..... Bookkeeping Clerk
Marian Lumis ..... Bookkeeping Clerk
Hannahbelle T. Morrison ..... Senior Clerk (Part-time)
Freda Carey ..... Clerk
Elizabeth Lacy ..... Clerk
Emily C. Haines, A.B. ..... Clerk (Part-time)
Shirley Perdue ..... Clerk

HEALTH SERVICE STAFF

C. P. Kistler, M.D. ..... Medical Director
Esther Eves, R.N. ..... Nurse
Marie W. Futer, R.N. ..... Nurse

MAINTENANCE STAFF

Herbert Clavier ..... Superintendent of Buildings and Grounds
Agnes Speakman ..... Housekeeper
Beatrice F. Connell ..... Postmistress
Madeleine Rodebaugh ..... Post Office Assistant
Mabel Barrett ..... Receiving Clerk
Elma Pierce ..... Telephone Operator
Annabelle McCormick ..... Telephone Operator
Dorothy Smith ..... Dormitory Supervisor
Julia Wienandt ..... Dormitory Supervisor
Ethel Otto ..... Dormitory Supervisor

LIBRARY STAFF

Marian Hall ..... Library Assistant

FILM LIBRARY

Bessie H. Grubb ..... Clerk

COLLEGE BOOK STORE

B. Reed Henderson ..... Executive Director, Student Activities Association
Catherine Finegan ..... Book Store Manager
Mary S. Phillips ..... Assistant Clerk

COOPERATING TRAINING TEACHERS

Elementary Education

WEST CHESTER

Bannon, Frances T., B.S., M.A.
Binney, Edith B., B.S.
Bishop, Ethel H., B.S., M.S.
Boyle, Orphia S., B.S.
Broomall, Elizabeth, B.S.
Carson, Dorothy, B.S.
Eavenson, Sarabell, B.S.
Esworthy, Sara R.
Frey, G. Beatrice, B.S., M.A.
Giangiulio, Ellen M., B.S.
Goulet, Genevieve, A.B.
Hayden, Eleanor, B.S.
Housel, Lenore K., B.S., M.A.
Keim, Edna R., B.S.
Keithley, Mildred
Kelly, Mary S., B.S.
Kinsey, Mary F.
Kunkle, Martha, B.S.
Leaf, Natalie, M.Ed.
Maxwell, Zelma, B.S.
McCowan, Florence, B.S.
Melton, Mary Luice, B.S.
Meredith, Margaret, B.S.
Muth, Estella, B.S.
Pyle, Dorothy Darlington, B.S.
Ritter, Ethel J., B.S.
Robertson, Phyllis, B.S.
Robins, Anne, B.S.
Scott, Jane, B.S.
Shultis, Eva, B.S., M.A.
Snyder, Helen E., B.S.
Spann, Alice L., B.S.
Towles, Sara W., B.S.
Zale, Ruth, B.S.

WEST GOSHEN

Atwell, Lena F.
Darlington, Emma, B.S.
Evans, Vera H., B.S.
Gilbert, Lorraine, B.S.
Highley, Anne M., B.S.
Jordan, Verna, B.S.
Middleton, Edith, B.S.
Morgan, David C., B.S., M.Ed.
Regester, Eleanor, B.S.
Thomas, Margaret, B.S.
Woodward, Laura, B.S., M.A.

WESTTOWN-THORNBURY

Day, Sophia, B.S.
Garrity, James F., B.S., M.A.
Kent, Lillian, B.S.
McFarland, Harriett
Marrone, Jane F., B.S.
Massey, Edna C., B.S.

NEWTOWN SQUARE

Britton, Marie, B.S.
Chedester, Elizabeth, B.S.
Conestabile, Jennie, B.S., M.Ed.
Febo, Marie K., B.S.
Guyer, Jay F., B.S.
Hutzel, Mary Barbara, B.S.
Kiewe, Marilyn, B.S.
Lapinsky, Viola Munnell, B.S.
McCauley, John Allen, B.S.
McIntosh, Elizabeth H., B.S.
McQuilkin, Louise, A.B.
Moffett, Marjorie, B.S.
Pertchack, Eugene, B.S., M.S.
Steele, Ellen Michener, B.S.

Secondary Education

DOWINGTOWN

Arbuckle, Leonard
Ax, Charles, B.S.
Bycoskie, John, B.S., M.S.
Campbell, Edward, B.S.
Caskey, Howard, B.S.
Costello, Mary, B.S., Ed.M.
Frey, James, A.B.
Hadfield Elizabeth
Hepp, John, B.S., M.S.
Hunt, Florence, B.S.
Laird, Mildred, A.B., M.Ed.
Ratcliff, Clifford, B.S.
Remetz, Michael, B.S., M.A.
Wentzel, Harold, B.S., M.Ed.

WEST CHESTER

Althouse, Margaret, B.S., M.Ed.
Anderson, Erroll P., B.S., M.S.
Baker, Anna L., A.B., M.A.
Boeckler, Charles F., B.S., M.A.
Carroll, Harry E., B.S.
Childs, Katherine, B.S., M.S.
Corkadel, Roy E., B.S.
Ford, Barbara, A.B., M.A.
Freeman, Robert S., B.A.
Gambone, Kenneth, B.S.
Gearhart, Aldine, B.S., M.A.
Hickey, Mildred, A.B., M.A.
Kern, Joseph L., B.A.
Knighton, Walter B., B.S.
Lewis, Keitha, B.A., M.A.
McClellan, Jack, B.S.
McClelland, Liberty, A.B., M.A.
Nichols, John, B.S.
Nunan, Desmond, B.A., M.A.
Pearl, Herbert E., B.S.
Perrone, Charles, B.S., M.Ed.
Reigle, Robert, B.S.
Rewucky, Christine, B.S., M.A.
Schrack, Leila B., B.S.
Stahl, John, B.S.
Sweet, Arlene, B.S., M.A.
Temple, Sara S., B.S., M.S.
Trapnell, Edyth, B.S., M.S.
Urich, Russell, A.B., M.S.
VonStetten, Glen, B.S.
Wells, Hibbert, B.S., M.Ed.
Zeiders, Charles A., A.B., M.A.

PENNCREST

Cole, Bernice, A.B.
Cross, Leo, B.S., M.S.
Donaldson, Helen, B.S.
D'Salvi, Daniel, B.S., M.Ed.
Duncan, Douglas, B.S., M.Ed.
Jackson, Jane, B.S., M.A.
Mohrback, F. Jo., B.A., M.Ed.
Patrick, Melio, B.S., M.L.
Pinnie, Anthony, A.B., M.Ed.
Schwalbe, Paul, B.S.
Stone, A. Harris, B.S., M.S.
Symon, Robert, B.S., M.S.
Udovich, Walter, B.S.
Tucker, Carol, A.B.

NETHER PROVIDENCE

Canamucio, Joseph, B.S., M.Ed.
Capriotti, William, B.S., M.A.
Jackson, Lionel, B.S., M.Ed.
Kline, Gilbert, B.S., M.S.
Miller, Harry, A.B.
Narcum, Edward, B.S.
Walters, Thomas, B.S.
Werner, Thomas, B.S.

Music Education

KENNETT SQUARE:

Canfield, Patrick, B.S., M.Ed.
Ott, Ray L., B.S.

ROSETREE UNION:

Crooks, Elizabeth, B.S.
Jacobson, Irving, B.S., M.S.

TREDYFFRIN-EASTTOWN:

Culp, Carmen E., B.S.
Hoehler, Mary, B.S., M.S.
Jones, Mary B., B.S.
Kurz, S. Wenlock, M.S.

WEST CHESTER:

Buchanan, Bertha, B.S.
Dillman, Charlotte, B.S.
Gustafson, Edna, B.S.
Magno, J.,
Sepella, John, B.S., M.Ed.
Shaeffer, Ruth, B.S.

WEST GOSHEN:

Ginter, Lillian, B.S.

WESTTOWN-THORNBURY:

Davis, Marian W., B.S.
Mareno, Jean, B.S.

Health Education

CHESTER:

Blazinski, Earl, B.S., M.S.
Brewster, Jesse, B.S., M.S.
Boyer, Howard, B.S., M.S.
Forwood, Robert, B.S.

CHICHESTER:

Kalickman, Milton, B.S., M.A.
Nugent, Bob, B.S.

CONESTOGA:
Dulin, Virginia, B.S.
Fitzgerald, Robert, B.S.
Mason, Elizabeth, B.S.
Sheppard, Douglas, B.S., M.Ed.

DOWNINGTOWN:
White, Donald, B.S., M.Ed.

EDDYSTONE:
Bassett, William, B.S., M.Ed.

HAVERFORD TOWNSHIP:
Edelman, Ray, B.S., M.A.
Juenger, Steve, B.S., Ed.M.
Keyser, Ted., B.S., M.S.
Price, Howard, B.S., M.S.

KENNETT SQUARE:
Holcroft, Edward
Paynter, Charles, B.S., M.A.

LANSDOWNE-ALDAN:
Black, Lloyd, B.S., M.S.
Emberger, Robert, B.S., M.Ed.
Hoffman, Edna, B.S.
Hughes, Wayne, B.S.
Miller, Lance

LOWER MERION
WELSH VALLEY
Balentine, Robert, B.S., M.S.

MARPLE-NEWTOWN:
Pittman, Robert, B.S., M.Ed.
Richute, William

NETHER-PROVIDENCE:
Haupt, Chester, B.S.
Wright, Robert, B.S.

OCTORARO:
Minch, Mathew, Jr., B.S.
Minch, Mathew, III, B.S.

PENNCREST:
Kauffman, William, B.S., M.E.
Waslick, Robert, B.S., M.A.

RADNOR:
Encke, Ethel, B.S., M.S.
Lentz, Warren, B.S., M.S.
Metoxen, Emerson, B.S.

RIDLEY PARK:
Bassoe, Sigrun, B.S.
Wilson, John, B.S.

RIDLEY TOWNSHIP:
Adams, Bob, B.A.
DiFranks, Nicholas, B.S.
O'Donnell, John, B.S., M.A.
Plummer, Dora, B.S.
Wynn, Hugh, B.S.

SPRINGFIELD:
Bell, Harry, B.S., M.A.
Brusch, Jane, B.S.
Shoemaker, Richard, B.S.
Schopf, Wilbur, B.S.

SPRINGFORD:
McNelly, Robert, B.S.

SWARTHMORE:
Allen, Virginia, B.S.
Komarnicki, James
Reese, William, B.S., Ed.M.

UNIONVILLE-CHADDS FORD:
Reynolds, J. Lewis, B.S.

UPPER DARBY:
Herzog, Herbert
Jackson, Albert, B.S., M.Ed.
Leonard, Charles, B.S., M.Ed.
Thompson, Carl

WEST CHESTER:
Bucks, Marybelle, B.S.
Haupt, Elmer, B.S., M.A.
Jenny, Caroline, B.S., Ed.M.
Gerst, Florence, B.S.
Malikowski, Edward, B.S.
Wilson, Betty Jane, B.S.

WEST CHESTER STATE COLLEGE

GENERAL INFORMATION

History

The West Chester Academy, founded in 1812, marks the beginning of the College. The Academy trustees took the initial steps in 1869 toward the establishment of the West Chester Normal School. The graduates of this institution went out into the state as teachers. The Commonwealth, realizing its responsibility in the preparation of teachers, began in 1871 to grant money to pay part of their training. These grants, then termed State Aid, have continued in various forms. As the West Chester Normal School, the institution had five principals. Dr. Andrew Thomas Smith, the last to bear the title, was a scholarly and deeply loved executive. When the State Normal School became the State Teachers College in 1927 the head of the institution became president. Among the men who have led the school, Dr. George Morris Philips, the fourth principal, is especially prominent. Through his long term of service he made a major contribution to the physical and educational progress of the College. His name is associated with the building program which he successfully initiated and accomplished. The college plant consisted of one building, the present central section of "Old Main," when he became principal. From 1891 to 1920 his direction and inspiration increased the College by the construction of additions to "Old Main," the Old Gymnasium, the Green House, the Infirmary, and Recitation Hall. The Demonstration School and the Library were added at the turn of the century. Wayne Hall, built on the site of the Camp Wayne of the Civil War, was erected in 1911. The auditorium and administration building was built in 1925 and named the Philips Memorial Building in honor of Dr. Philips. 1930 saw the addition of the Ehinger Gymnasium and the President's residence. More recently the Library and Power House have been remodeled and a Laundry and classroom building, Anderson Hall, have been built. On January 8, 1960, the West Chester State Teachers College became the West Chester State College by action of the Pennsylvania State Legislature.

The College is justly proud of its reputation in the educational world. One of the earliest summer schools in the country

was inaugurated here in 1877. West Chester also printed one of the first student handbooks in 1895.

Among the material treasures of the College are: an original painting of George Washington by Charles Wilson Peale for which Washington gave sittings at Valley Forge during the memorable winter 1777-78; a mahogany grandfather's clock, once the property of Benjamin Franklin; a large collection of letters from the pens of Washington, Lafayette, Greene, Arnold, Wayne, Hamilton, Putman, Sullivan, and Gates, as well as from such literary men as Sidney Lanier and Thomas Buchanan Read; and the autographed book collection of Dr. George Morris Philips to which the English Professional Club is constantly adding.

The West Chester State College is the repository of the mineral collections and the herbarium of the Chester County Cabinet of Natural Science. The herbarium includes plant specimens collected in Chester County more than a century ago by Dr. William Darlington and his colleague, David Townsend. The library of the Cabinet is also the property of the College and contains many old and now rare books on natural history, which may be consulted upon request to the librarian.

The Darlington Herbarium and the mineral collections of the Cabinet are located in the College Museum on the third floor of Anderson Hall. These have been augmented by archaeological material representing the Stone Age in Europe, the J. Preston Thomas collection of heads and horns from big game animals, as well as the entire collection of mounted birds and bird skins that formerly belonged to B. Harry Warren, M.D., once the State Ornithologist of Pennsylvania and long-time resident of West Chester.

In 1952, the College received from the late William Pyle Philips, as a legacy, copies of the four Folios of Shakespeare's plays, that is, the First, 1623, Second, 1632, two variants of the Third, 1663 and 1664 respectively, and the Fourth, 1685. It also received the nine volume set of Sanderson's *Biographies of the Signers to the Declaration of Independence,* with autographs of the Signers set in.

These valuable books were given in memory of Dr. Francis Harvey Green and will be permanently housed in the Francis Harvey Green Library.

Location

West Chester is the county seat of Chester County, one of the three original counties laid out by William Penn. The plow engraved on the seal of the county symbolizes the agricultural character of its beautiful rolling hills reminiscent of the English home counties.

Those interested in literature and art will find West Chester has significance. Here Joseph Hergesheimer, the novelist, lived for many years. Sidney Lanier, Bayard Taylor, Thomas Buchanan Read, Mark Sullivan, and Elsie Singmaster, all have associations with West Chester. The country which Howard Pyle, the artist, made famous lies along the neighboring Brandywine; and the late N.C. Wyeth, a world renowned pupil of Pyle, lived at nearby Chadds Ford.

The famous Longwood Gardens on the estate of the late Pierre S. du Pont are not far from West Chester. These are open to the public. Here are found a magnificent conservatory, an open-air theatre, a famous carillon, and beautiful colored fountains.

The country around West Chester is rich in historical interest. The Valley Forge Memorial Chapel and the camp grounds, the Brandywine Battlefield, Birmingham Meeting House, and the site of the Paoli Massacre lie close at hand. The proximity of West Chester to Philadelphia and its wealth of historical associations enables students to enrich their courses by visits to well-known shrines and institutions as Independence Hall, Carpenters' Hall, the Betsy Ross House, the Pennsylvania Museum of Art, the Academy of Fine Arts, the Rodin Museum, the United States Customs House, The United States Mint, the Zoological Gardens, the Franklin Institute, and the Academy of Natural Sciences. Philadelphia's fine musical organizations afford opportunities to those with an interest in music to hear the best concerts and operas. This is a particular advantage to those taking the course for music supervisors.

BUILDINGS AND GROUNDS

The grounds of the West Chester State College consist of 57.3 acres located in the southeastern part of West Chester. Sixteen buildings with an estimated value of some $5,530,000 are erected on this tract.

The Reynolds property, adjacent to the Main Campus, was acquired in 1948. It consists of approximately four and one-half acres on which are located a large stone house and a garage.

The Main Campus

The major buildings of the College are located on the Main Campus, a tract of 12.5 acres. The number and variety of its magnificent old trees makes West Chester one of the more attractive eastern colleges. Several recent classes have added much to the beauty of the campus with generous gifts of trees and shrubs.

Wayne Field

West of main campus is located Wayne Field, a tract of about 20 acres, which is used for the men's athletic activities. It includes a quarter-mile running track with 220 yards straightaway, five tennis courts, and fields for soccer, football, and baseball.

Women's Athletic Field

South of the main campus an extensive tract provides for the athletic activities of the women of the College. On this tract are located nine tennis courts and fields for hockey, soccer, softball, archery, and volley-ball. Every woman student of the College has an opportunity to engage in one or more of these sports.

Philips Memorial Building

This building is a memorial to the late Dr. George Morris Philips, a former principal of the school. It contains an auditorium with a seating capacity of approximately two thousand, executive offices, and recreation rooms for faculty and students. It also houses the well-known Philips autographed book collection in the beautiful library which bears the donor's name.

Main Dormitory

This is a four-story building of green stone which is used as the main women's dormitory. It has a basement equipped with laundry and pressing facilities for students. On each floor are bathrooms with modern toilet accommodations; an elevator makes all floors easily accessible. A comfortable lobby affords opportunity for friendly get-togethers, informal teas, and after-dinner coffees. In addition, there are five smaller social rooms, artistically furnished. The dining room, which is housed in this building accommodates both men and women students.

McCarthy Hall

The new residence hall for women will be completed and ready for occupancy September 1960. This building will accommodate 250 women students. The new residence hall will be named McCarthy Hall in honor of Miss Grace Dietrich McCarthy who served as Dean of Women on the campus from 1919-1927. In addition to being the Dean of Women, Miss McCarthy served as the head of the English Department from 1927-1944.

The new dormitory will provide comfortable living situations for women students. There will be two students in each of the rooms. In addition to the living quarters for students, there will be a suitable recreation room for women, a sizable laundry and pressing room, and a lounge in which women students may receive guests.

Old Recitation Hall

Freshman Hall, a temporary women's dormitory for a number of years, has been reconverted to its original use as a classroom building.

The College Book Store is located on the ground floor at the north side of Old Recitation Hall and the College Post Office is on the south side on the same floor.

Also on the ground floor is a specially designed laboratory for Descriptive Anatomy, a laboratory for Microbiology and Physiology classes, as well as a Geography Workroom.

Reynolds Hall

The large house located on the former Reynolds property has been completely renovated and now comfortably accommodates approximately twenty women students and a dormitory supervisor.

Wayne Hall

This domitory, built in 1911, is a three-story stone building, adequately equipped to accommodate 156 resident men students.

New Men's Dormitory

This modern, new dormitory, which is completely fireproof, will house 302 men students. In addition to tasteful furnishings in each of the rooms, there are three spacious lounges on each floor, as well as considerable recreational area in the basement for the use of men students.

President's Residence

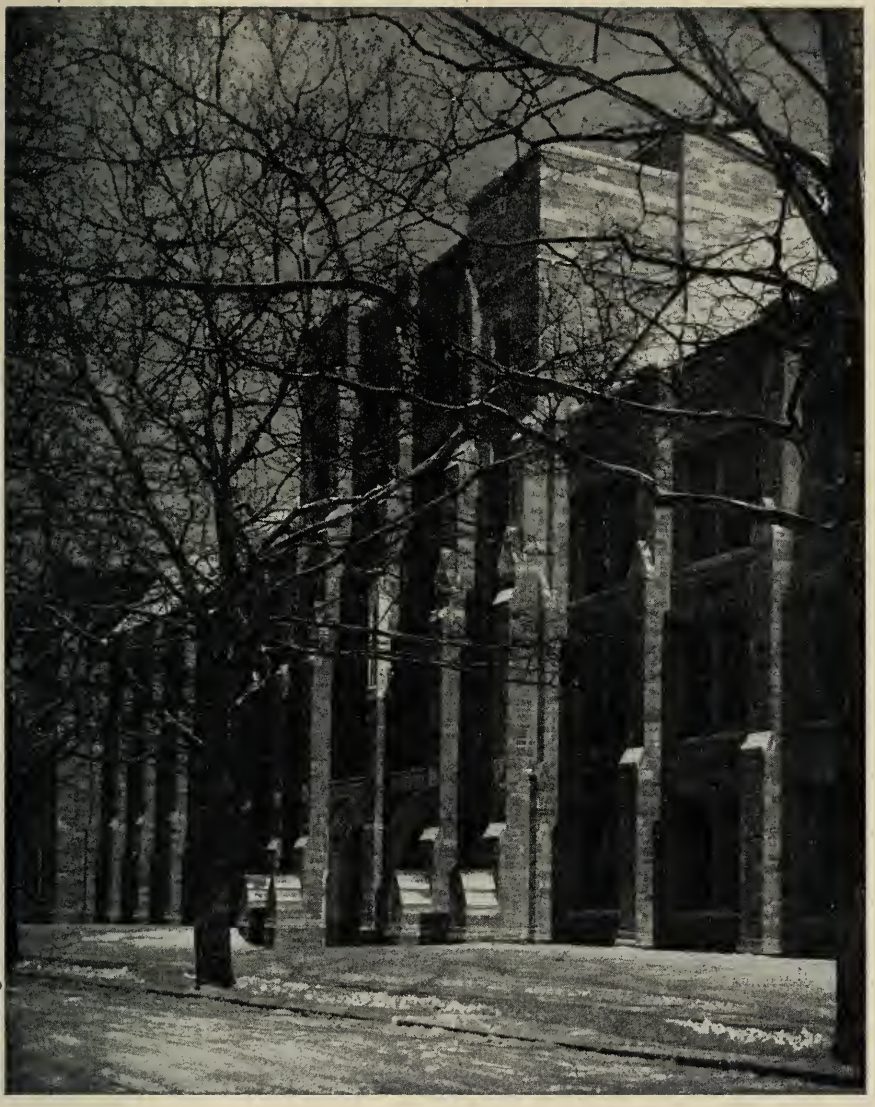
The home of the President of the College, a former Chester County farmhouse, is located on East Rosedale Avenue.

Anderson Hall

This building was first occupied in 1941. It has special rooms for speech and reading clinics, special up-to-date equipment and laboratories for science departments, large recreation and study rooms for day students, and offices for adminstrative and faculty personnel. It contains a full complement of well-equipped classrooms.

Francis Harvey Green Library

The college library, built in 1902, was completely remodeled in 1938-1941, and in 1947 was dedicated to Dr. Francis Harvey Green, former head of the English Department. Some of its special features are the reserve section, the curriculum laboratory, the recreational reading room, and conference rooms. In addition to the reference and periodical rooms, there is an attractive juvenile room, used by children from the Demonstra-



Anderson Hall

tion School as well as by college students. Micro-cards, micro-films, records and record players are available in the periodical room.

The library has approximately 70,000 volumes and receives over 400 magazines and newspapers. It also has a valuable collection of rare books on natural history, the four folios of Shakespeare's plays (1623-1685), and the Sanderson *Biographies of the Signers to the Declaration of Independence,* with autographs of the Signers.

The staff of the library consists of six trained librarians, one non-professional library assistant, one secretary, and a number of student assistants.

The library is affiliated with the Philadelphia Union Catalogue.

Lessons in the use of the library are given to all entering students.

Swope Hall, the New Music Education Building

The new music education building, Swope Hall, (named in honor of Dr. Charles S. Swope, former President of the College) is located on College Avenue between High and Church Streets. This beautiful building will provide excellent facilities for the expansion of the college music program. The recital hall, practice rooms, teaching studios, classrooms, large rehearsal rooms, audio-visual room, lounges and offices in Swope Hall will make it possible to centralize all the curricular activities of the Music Department. The recital hall, with a capacity of 500, will provide an ideal atmosphere for concerts, recitals, lectures, and rehearsals. This building is sound-proofed and air-conditioned.

Gymnasiums

The College has complete physical education facilities. These include the gymnasium named for Dr. and Mrs. Clyde E. Ehinger who were for thirty-four years at the head of the Health and Physical Education Department of the College.

A new field house includes an official size swimming pool with a spectator area accommodating 500 persons, an indoor

one-tenth mile running track, two regulation basketball courts, a stabilized earth area equipped for track and field events, a baseball cage, a golf driving cage, a recreational sports deck, wrestling room, corrective room, class room, showers, locker and drying rooms, storage, and offices. Seating facilities for over 2500 spectators are provided.

The *oldest gymnasium* on campus, built in 1890, serves both as an instructional area and as a student recreation center.

Demonstration School

On the campus is a building which houses a kindergarten and the first six grades of the elementary school. The school population consists of children living outside the local borough, children living in the borough contingent to the building, and children of faculty members. The school provides teaching and learning observations for college classes.

Infirmary

This building houses the student health services and an infirmary. Its equipment is modern and adequate. The staff consists of two registered nurses.

THE PURPOSE AND OBJECTIVES OF THE WEST CHESTER STATE COLLEGE

The Normal School Act, approved May 20, 1857, divided the state into twelve districts and gave permission for the establishment of a normal school in each district. The first district was composed of the following counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia. Under the provisions of this act the State Normal School at West Chester, Pennsylvania, was recognized February 22, 1871. The Normal School became a teachers college offering four-year curricula in 1927. The first degrees were granted during the summer of that year.

The School Laws of Pennsylvania, set forth the purposes for creating and maintaining teachers colleges. Sections 2003 and 2009 read as follows:

Section 2003 — PURPOSE — The colleges shall be a part of the public school system of the Commonwealth, and their purpose the education and preparation of teachers. The colleges shall provide proper facilities for instruction in the art and science of teaching, for the boarding and lodging of students in residence, and other necessary facilities approved by the Superintendent of Public Instruction.

Section 2009 — VOCATIONAL EDUCATION AND REHABILITATION PROGRAM: The trustees of any State Teachers College with the approval of the Department of Public Instruction and the Governor, may cooperate with municipal, State, Federal, and other agencies in vocational education and rehabilitation programs in the furtherance of the national defense and post-war activities. For such purposes they shall have power to do all things and enter into all agreements necessary to carry out the same . . .

From the date that the Normal School was recognized by the State to the present time both the Normal School and the College has held as its objective the preparation of teachers for the public schools. The College now offers four curricula — Elementary, Secondary, Music, and Health and Physical Education. The College offers courses evenings and on Saturdays to accommodate teachers in service.

The State Department of Public Instruction in 1951 approved a program of training for the degree Bachelor of Science in Education for Public School Nurses and for Dental Hygienists. The West Chester State College is cooperating in this program.

The program at the College stresses the complete preparation of teachers. The mental, physical, and spiritual needs of the students are given attention. Extra-curricular activities, lectures, entertainments, and religious club activities afford each student an opportunity to develop a wholesome personality and to build a good character.

From time to time the faculty study the needs of the College in relation to the work of the teacher in the public schools. Curriculum studies are directed both to content of subject matter areas and to the methods to be used in each

field. Special committees are appointed to study various problems and to report their findings and recommendations to the faculty. Recently a state-wide study and revision of the curricula in the several State Teachers Colleges was made. These revised curricula were put into operation with the freshman class of 1959. Further studies and adjustments are being continued especially in those areas that lend themselves to integration. In 1960, the name was officially changed from "State Teachers College" to West Chester State College.

A Student-Faculty Leadership Group is a functioning unit of the College. This group is made up of students, adminstrative officials, and faculty members. The students represent the four college classes, the student government association, the day and dormitory councils of the men and women, and major club groups. This group considers those questions and problems that are of vital interest to the student body. Through this group means of communication are kept open so that a two-way flow of opinion and careful thinking may have a true vehicle of expression. It has proved very helpful in providing and establishing good relations among the members of the college community. It is felt that it has great carry over values in real life situations and in future citizenship activities.

COLLEGE COMMUNITY ORGANIZATION AND ADMINISTRATION

Based upon the belief that all who share in the advantages of the college community should join in the responsibility of government, a college community has been conceived whereby faculty and students co-operate as fully as possible for the mutual advancement of the college program.

A number of achievement goals for each college year has been set up as tentative guides for a program of college life, subject to constant modification to meet new trends and needs. These goals cover the areas of adminstration, instruction, student life and personnel, community and service area relationship, and teacher education.

These goals are achieved through councils and standing committees.

The Executive Council is an advisory group composed of Departmental Chairmen and administrators. The Executive Council aids the President in formulating and executing the general adminstrative policies of the institution.

The standing committees represent both faculty interests and faculty-student interests. They are the committees on Admission, Personnel and Guidance, Curriculum Study and Revision, Library, Scholarship, Student Life and Activities, Athletics, and Student Teaching and Placement.

Student Government

Students elect a Student Government Association and Councils, which, working with the deans, cooperate in the government of the College.

Assemblies

Approximately two assemblies for students and faculty are held each month of the college year. The program consists of lectures, concerts, recitals, plays, and other events of interest to the students.

All-Star Entertainment Program

An All-Star Entertainment Program brings to the campus each year distinguished lecturers and artists of the highest rank in music, drama, and the dance. These entertainments are available to the students at a very small cost, which is covered by the Student Activity Fee. The College has been greatly aided in this project by the cordial cooperation received from citizens of West Chester, members of the faculty, and students of the College. These entertainments are held in the Philips Memorial Auditorium. Among the attractions have been Lawrence Tibbett, Marian Anderson, John Charles Thomas, Bidu Sayao, Helen Traubel, Mario Berini, Alexander Kipnis, Christopher Lynch, Albert Spaulding, Jascha Heifetz, Zino Francescati, Mrs. Franklin D. Roosevelt, Eve Curie, Anne O'Hare McCormick, the Joos Ballet, Svetlova, Paul Draper and Larry Adler, Luboschutz and Nemenoff, Appelton and Field, the Rochester Philharmonic Orchestra, the Cleveland Symphony Orchestra, the National Symphony Orchestra, the Baltimore

Symphony Orchestra, the Pittsburgh Symphony Orchestra, the Detroit Symphony Orchestra, Rise Stevens, Columbus Boy Choir, Margaret Webster's Shakespearean Company in *Macbeth,* Igor Gorin, James Melton, Margaret Chase Smith, Robert Shaw Chorale, the Charles L. Wagner Opera Company in *"The Barber of Seville," "Madame Butterfly," and La Boheme,"* Philharmonic Piano Quartet, Eleanor Steber, Eva LaGallienne, Patrice Munsel, Little Singers of Paris, Guiseppe Valdengo, Ana Maria Spanish Dance Group, Leon Destine, Haitian Dancers with Alphonse Cimber, Jennie Tourel, The Scherman Little Symphony Society, Robert Merrill, Yehudi Menuhin, Roberta Peters, Cesare Siepi, Walter Cassell, Jan Peerce, Brian Sullivan, Isaac Stern, Boston Opera Company.

Musical Organizations

In conjunction with the regularly scheduled student and faculty recitals, the College Adminstration has set up the following well-developed musical organizations which contribute to the wealth of fine music on campus:

1. TWO COLLEGE BANDS: THE CONCERT BAND AND THE MARCHING BAND.

   Membership in these organizations is determined by the student's qualifications regardless of curriculum.

2. THE CRITERIONS.

   The dance band of the College consists of ten or more men, carefully selected, who furnish the music at social functions of the College.

3. THE SYMPHONY ORCHESTRA.

   Membership in this organization is determined by the student's qualifications regardless of curriculum.

4. THE MIXED CHOIR.

   A mixed chorus selected from students in the Music Education Curriculum, meeting twice a week, devoting their efforts towards acquiring a fine technique of choral singing through the preparation of an extensive repertoire for performance.

5. THE WOMEN'S CHORUS.

   All women not in the College Choir, enrolled in the Music Education curriculum are required to take this course, devoting their efforts primarily towards acquiring the techniques of choral singing.

6. COLLEGE WOMEN'S GLEE CLUB.

   Members are carefully chosen from women of the Elementary, Secondary, and Health Education groups for this club.

7. MEN'S CHORUS.

   Members are selected from the men of the Elementary, Secondary, and Health and Physical Education curricula and joined with the men not in the College Choir for this choral group.

8. THE SINFONIETTA.

   The Sinfonietta is a group of about twenty-five outstanding players chosen from the Symphony Orchestra. It was organized to bring before the College and the community compositions written especially for small orchestras.

9. THE MUSIC CLUB AND CHAMBER MUSIC GROUPS.

   Membership in these groups is determined by the student's qualifications.

Intercollegiate Athletics (Men)

It has become recognized by educators and public alike that athletics is a part of general education because athletic activities provide situations that are akin to life experiences, and as such, are conducted with the purpose of developing the educational values which grow out of them.

With this in mind, the College Adminstration has set up an organization for the control of athletics; it has provided facilities, built schedules, and furnished instructors for the purpose of filling these educational needs.

Sports such as football, baseball, basketball, soccer, track, wrestling, swimming, tennis, gymnastics, lacrosse, golf, and cross-country, are conducted for the purpose of providing our

young men with activities that not only will prove beneficial to their health but also will give them a training which will be valuable when they are called upon to coach these sports.

It is the policy of the College Administration first, to provide a variety of sports, as indicated above, in order that as many young men as possible may participate in the activities which interest them most and in which they may achieve a high degree of personal skill; second, to provide eligibility rules that are just and sensible, yet will insure good scholarship; third, to provide schedules which are in our college class, yet are in keeping with the traditions and standing of our College; fourth, and finally, to give athletics their rightful place in our educational program of preparing teachers so that they will function properly in the life of the student body, but will not assume an importance out of all proportion to their value.

THE ACCIDENT INSURANCE REFERRED TO UNDER THE SECTION ENTITLED "STUDENT HEALTH SERVICE" HAS BEEN MADE COMPULSORY BY THE COLLEGE BOARD OF TRUSTEES FOR ALL STUDENTS WHO PARTICIPATE IN COMPETITIVE ATHLETICS.

The West Chester State College is a member of the National Collegiate Athletic Association, the Middle Atlantic States Collegiate Athletic Conference, the National Association of Intercollegiate Athletics, and a charter member of the Eastern College Athletic Conference. In addition, West Chester conforms to the eligibility standards set by the Board of Presidents of the Pennsylvania State Colleges.

The athletic program at West Chester provides adequate player and spectator opportunities. Facilities and equipment are of the best. All team coaches are regular members of the faculty.

Men's Intramural Athletics

An athletic program cannot be justified educationally if it is confined to intercollegiate competition alone. There must be provision for all students, so the policy of the College Administration is to expand this part of the program for both men and women, in order that a variety of activities may be supplied for all of our students. Such sports as touch football,

swimming, soccer, tennis, basketball, roller hockey, track, speed ball, soft ball, and volley ball are organized and conducted for the men students.

Women's Intercollegiate Athletic Program

The activities of the W.I.A.P. are conducted by the director of the program, the women coaches, and a student advisory council consisting of the managers of the varsity sports. The program includes a variety of team and individual sports, such as, hockey, basketball, swimming, lacrosse, and tennis. All women are eligible to participate in this program which provides opportunities for wholesome competition with other college women of comparable skill. Activities are planned in accordance with the highest ideals of good sportsmanship. Students participating in this program develop interest and skill in worthy leisure time activities, further cultural understandings and appreciations through contacts with students from other colleges, gain experience and knowledge of coaching procedures and techniques.

The accident insurance referred to under the section entitled "Student Health Service" has been made compulsory by the College Board of Trustees for all students who participate in the W.I.A.P.

The entire women's intercollegiate program is guided by the standards and policies of the Division of Girls' and Women's Sports, which is a division of the American Association for Health, Physical Education and Recreation. A basic over-all standard of the above-named organization is "The one purpose of sports for girls and women is the good of those who play."

Women's Recreation Association

Intramural athletics for women are conducted by the Women's Recreation Association for the social, physical, and recreational benefits of the women students of the College. Its governing council consists of the club officers and sports managers and faculty advisers. Its program provides a wide range of activities including the modern dance, hockey, archery, volley ball, swimming, lifesaving, tennis, hiking, basketball, softball, badminton, table tennis, and bowling. In addition the

W.R.A. sponsors recreational evenings when both men and women students have opportunity to participate in a social dancing class, to engage in roller skating, and to join in folk and old-fashioned square dancing.

Student Health Service

The College assumes no responsibility for furnishing or paying for medical care to sick or injured students. Qualified physicians and hospital facilities are available in the community of West Chester. Students over 21 and parents or guardians of students under 21 are required to sign a prescribed statement authorizing the College, or its agents, to refer such students to local doctors or hospitals for any and all emergency medical care.

All costs of medical or surgical treatment, including hospitalization, must be borne by the student involved or by parents or guardians. However, a group medical and accident policy approved by the College covering accidents and illnesses on a twelve months basis is available at an annual premium of $25.00.

All students enrolled in the Health and Physical Education Curriculum and those participating in intercollegiate athletics, without exception, are required to carry a minimum accident policy costing $8.35.

Student Accident and Sickness Insurance Plan

All regularly enrolled students at the College are eligible for accident and sickness insurance, on a purely voluntary basis, EXCEPT THAT ALL CANDIDATES FOR INTERCOLLEGIATE ATHLETIC TEAMS ARE REQUIRED TO TAKE OUT ACCIDENT INSURANCE. Students and parents are requested to consider seriously the splendid protection offered by the two policies and the low cost. THE INSURANCE IS IN EFFECT FOR A TWELVE MONTH PERIOD WHETHER THE STUDENT IS ON CAMPUS, TRAVELING, OR AT HOME.

Effective with the opening of the academic year 1959-60, the Board of Trustees adopted the following resolution recommended by the Athletic Committee: "ALL CANDIDATES, MEN AND WOMEN, FOR ATHLETIC TEAMS WHICH MAY MEET OTHER COLLEGES, ARE REQUIRED

TO PURCHASE THE FIRST $500 ACCIDENT COVERAGE POLICY WHICH WILL COST $8.35 AND THEN THE STUDENT ACTIVITIES ASSOCIATION WILL PURCHASE A POLICY TO COVER EACH STUDENT FOR AN AMOUNT OF $500 to $5,000. Since Health Education men and women students are required to be candidates for our intercollegiate athletic teams, IT IS MANDATORY THAT EACH HEALTH EDUCATION STUDENT PURCHASE THE $500 ACCIDENT COVERAGE.

Placement Service

The West Chester State College maintains an active Education Placement Service. The Placement Director has general charge of the service. He is assisted in this work by the heads of the special curricula and by the Committee on Placement composed of the Dean of Instruction and Supervisors of Student Teaching.

Members of school boards, superintendents, supervising principals, and others in need of teachers, are requested to make application to the Placement Director as early as possible. The Placement Service is in position to send out thorough and adequate information concerning each of the graduates of the College. This material is available to any school official who desires the information in connection with an application made by one of our graduates. The information covers scholastic standing, a comprehensive evaluation of the individual's student teaching experience, and general evaluations of personality, character, competency, and professional potentialities by members of the individual's major and minor departments together with a definite statement compiled by the graduate himself.

Graduates of the West Chester State College are asked to keep in touch with the Placement Director in order that they may be recommended for better positions demanding experience. Graduates are also asked to keep the office informed of vacancies so that these positions, in turn, may be brought to the attention of teachers not placed.

The Pennsylvania Regional Film Library

The College operates a film library service for the schools in the service area surrounding West Chester. The service includes rental of films, film-strips, and projection equipment. All schools and church organizations in Bucks, Chester, Delaware and Montgomery counties are eligible for these services.

The library was established through the State Department of Public Instruction. It maintains some five hundred titles on 16 mm. motion picture film and over twelve hundred titles on filmstrip.

Further information can be had by correspondence with: The Pennsylvania Regional Film Library, West Chester State College, West Chester, Pa.

The Delaware-Chester Regional Film Library

The newly organized Delaware-Chester Regional Film Library is housed in Anderson Hall. This two-county film library has over 1700 films at present, all instructional, in many fields of elementary and secondary education. The Delaware-Chester Film Library is the first joint regional film library to be formed in the state of Pennsylvania under a state supervised plan.

Membership in the Library is limited to the public schools of the two counties, who pay on a per pupil basis. There are 57 school systems now belonging, with a pupil enrollment of over 70,000.

College faculty may make use of the facilities of the Delaware-Chester Film Library. All applications must be made through the College Film Library in room 13.

Classification of Students By Year of Study

Students in the College are classified according to the number of semester hours of credit which they have earned:

Freshmen.....31 credits or less
Sophomores.....32-63 credits inclusive
Juniors.....64-95 credits inclusive
Seniors.....96 credits or more
Special.....Those who are not working on a degree program or are so classified for other reasons.

Marking System

The marking system now in effect at the West Chester State College is as follows:

Mark—Interpretation	*Percentage Equivalents*	*Quality Points*
A—Excellent	A—93-100	3
B—Superior	B—85- 92	2
C—Average	C—77- 84	1
D—Passing	D—70- 76	0
F—Failure	F—69 or lower	—1

I—Incomplete (See "Special Provisions".)

WF—Withdrew Failing

WP—Withdrew Passing

Percentage Equivalents

For those who prefer to think of the marking in terms of figures, it has been determined that each letter represents the range of per cents shown in the second column.

Scholastic Index:

The minimum scholastic index required to remain in good academic standing and for graduation is a 1.00 (C average) for all work taken at the College. This index is obtained by dividing the total credit hours into the total quality points.

$$\text{Scholastic Index} = \frac{\text{Total Quality Points}}{\text{Total Credit Hours}}$$

Explanation:

The marking system provides that a "C" be interpreted as the average accomplishment; a "B" as accomplishment superior to the average, and an "A" very superior or exceptional work. A mark of "D" represents accomplishment inferior to the average and indicates the lowest type of work that will be accepted as of passing grade. An "F" represents that accomplishment wherin the quality of work done by a student is below that represented by a "D" or 70 per cent. A mark of "F" implies that the course must be repeated by the student.

Special Provisions Related to the Marking System:

If because of personal illness certified by a physician or other approved reasons, a student is not able to meet the requirements of a course at the close of a semester, a mark of "I" may be assigned by the instructor. This mark indicates that the work is incomplete. This work must be completed satisfactorily by the end of the ninth week of the semester following the giving of the mark. Failure to meet this requirement will result in the "I" grade being changed to an "F" on the permanent record card. In no case, is a student given a mark of "I" in any course when the cause of incomplete work is irregular attendance, negligence, unexcused absence from final examination, or inability to do college grade work.

When a student fails a course by a margin so close that the instructor believes that a re-examination is justified, the student may be marked "E". In all cases where an "E" is assigned, the student must take the re-examination by the end of the ninth week of the semester following the giving of this mark. The final mark for an "E" (re-examination privilege) cannot exceed a "D". Failure to meet this requirement will result in the "E" being changed to an "F" on the permanent record card.

Scholastic Requirements

A student admitted to the West Chester State College must show that he has capacity to do academic and professional work of college grade and that he is in accord with the ideals of teacher education.

Students who earn a scholastic index of less than 1.00 (C) during a semester will *automatically* be placed on academic probation for the following semester in which they are in attendance.

Students who earn a scholastic index of less than 1.00 (C) during a period of academic probation will be subject to *dismissal* from the College.

Full-time students (those who carry 14 semester hours of credit or more) who do not pass at least ten semester hours of work during a semester, will be dismissed from the College.

Students dismissed for academic reasons will not be eligible to apply for readmission for at least one regular academic semester. Application for readmission must be filed with the Director of Admissions at least 30 days prior to the beginning of the semester for which admission is desired.

Reports to Parents

The office of the Registrar will mail a report of each student's marks to his parents or guardian after the close of each semester.

Dean's List

The Dean's List is issued after the close of each semester and contains the names of those students who have earned an average of "B" or higher for the semester.

Honor Roll

The Honor Roll contains the names of those students who for the first seven semesters have maintained a record of "B" or higher.

Credit By Examination

A student in good academic standing may request opportunity to take a comprehensive examination in a particular course offered by the College. Such a request must be filed in duplicate on a form secured from the Dean of Instruction's office. Requests will be reviewed by the College department involved and the Dean of Instruction. Permission to take such an examination requires demonstration by the individual of mastery in the field. If the request is approved, the student will register for the course in the usual way and will be permitted to audit the class if he desires. If credit by examination would involve an over-load, the student must have "Dean's List" standing. The semester hours of credit earned by examination will apply toward graduation requirements.

Advanced Placement Program

Courses taken before admission to college under the Advanced Placement Program conducted by the Educational Testing Service, Trenton, New Jersey, may be applied towards graduation requirements by students who are admited to the college to pursue one or more semester's work. To secure

such credit the student must make formal application to the office of the Dean of Instruction. The course must satisfy college requirements and the score on the Educational Testing Service examination must be satisfactory to College officials. If request for Advanced Placement standing is approved, the student will register for the course and pay the established fee. Not more than fifteen (15) credits earned by such examination may be applied toward graduation requirements.

Student Teaching

Student teaching is to be taken in the seventh or eighth semester and normally culminates the professional experience in preservice preparation for teaching. Students should file applications for admission to student teaching during the spring semester of their junior year.

To be eligible for student teaching, candidates must have senior standing (96 semester hours) and a scholastic index of 1.00 (C) or higher.

Applications for admission to student teaching are reviewed by the department or departments in which the applicant wishes to secure certification, by the College Supervisor of Student Teaching, by the Dean of Instruction, and by the Director of Student Teaching.

Remedial Instruction

New students whose records are low on the Classification Tests which are administered to all incoming students may be required to carry fewer semester hours of credit than a normal class load and may be required to attend without credit remedial classes in English and/or Reading.

Resident Credit Requirement

The last thirty (30) semester hours of credit must be taken at West Chester to qualify for graduation from a degree curriculum. Graduates of a two-year normal school curriculum are required to earn at least 30 semester hours of additional resident credits to be eligible for a degree. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus.

Class and Assembly Attendance

Regular and punctual attendance at classes and assemblies is considered essential to sound scholarship and good campus citzenship. Upon enrolling in the College each student is supplied with a student handbook which contains a statement of the absence policy. Enrollment in the College implies agreement on the part of the student to conform with its provisions.

Withdrawals From College

The student must notify the Dean of Instruction, in writing, stating the reason for his intention of withdrawal from the College.

Should a student fail to comply with this requirement, the adminstration will, after ten days if unexplained absence, declare the student not a member of the College. The date on which his connection with the College terminates will be the day on which he last attended classes.

When a student discontinues his work at the College, either for illness or any other reason, he must notify the Dean of Instruction as soon as possible, otherwise he will receive marks of "F" in each of his courses on his permanent record card. This will result in difficulty in re-entering the College or in securing admission to another institution.

Transcripts

Applications for official transcripts should be made to the Office of the Registrar.

There is a fee of one dollar for the second and each subsequent transcript. Checks must accompany requests and should be made payable to the Commonwealth of Pennsylvania.

Transcripts are considered *official* only when sent directly to the school or college authority who is to evaluate and/or record them. Therefore, transcripts sent to students are *not* official and do not bear the state seal. Most states and most school and college authorities accept only *official* transcripts.

Names and addresses to whom transcripts are to be mailed should be included with applications.

No charge is made for transcripts sent to Pennsylvania school officials in connection with applications for a position.

Dismissals From College

Administrative officers and the student councils may make recommendations to the President for suspension and dismissal. No student shall be suspended or dimissed from the College except upon the approval of the President.

Student Class Load

A full-time student's schedule must have a normal load which is 14-18 semester hours of credit. No student shall be permitted to schedule more than 34 semester hours of credit in one academic year without the approval of the Dean of Instruction.

Withdrawals from a Course

Approved withdrawal from a course is not permitted without justifiable reason and must be approved by the Department Chairman and the Dean of Instruction.

A student may receive approval to withdraw from or "drop" a course during the first four (4) weeks of a semester. In the case of summer sessions, he may withdraw during the first three (3) days of a Pre- or Post Session and during the first week of Reguar Session. No notation of this course will then appear on the student's permanent record. Except for special reasons and emergencies, withdrawal from a course is not permitted ofter the first four (4) weeks of the semester or as indicated for the summer sessions.

Faculty will record a grade of "WP" if the student's work is passing, and a "WF" if the student's work is failing at the time of approved withdrawal. A grade of "F" will be recorded if a student withdraws from a course without approval. A grade of "WF" receives the same penalty in quality points as an "F".

Students wishing to withdraw or "drop" a course should follow the procedure listed below:

1. Student should secure a "Drop Schedule" from the Dean of Instruction's Office.

2. Student should confer with the faculty member regarding withdrawal.
3. Faculty member should confer with the Department Chairman who will make any comments regarding approval or disapproval of student's request.
4. Faculty member returns "Drop Schedule" form to the Dean of Instruction's Office, by mail, for final disposition of the request.

Classification of Students By College Program

Students admitted to a degree program are classified as *Regular* students. Students who are admitted, but are not working for a degree, are classified as *Special* students.

Both Regular and Special students may be either full-time or part-time students; those who carry fourteen (14) semester hours of credit or more are full-time students; those with less than fourteen (14) semester hours of credit are part-time students.

Notice of Anticipation of Graduation

It is the responsibility of the student to report to the Office of the Dean of Instruction at least three months before the date of his anticipated graduation. It is the student's responsibility to see that his name is placed upon the list of prospective graduates, and to indicate at that time the way his name should appear on the diploma. If he fails to do this, his graduation will be postponed until the next regular commencement.

Graduation

A student will be recommended for graduation when all the requirements for his curriculum have been met. Diplomas will not be issued until all bills and obligations to the College have been met.

The Alumni

The West Chester State College alumni number over twelve thousand, and their devotion to the College is marked. The annual meeting held at the College just before commencement is well attended and active branch organizations hold meetings at the following places: Allentown, Atlantic City, Bethlehem, New York City, Pottsville, Reading, and York. The Tri-County organization consists of graduates living in Delaware County, Montgomery County, and Philadelphia.

ADMISSION TO THE COLLEGE

Students who expect to attend college should take the college preparatory or academic course in high school. By completing such a course with good marks, an adequate background for college work will be obtained. Technically, students who graduate from other curricula may qualify for admission to West Chester if their records are good, but certain deficiencies will exist in their preparation which will require more time and greater effort to overcome while a student in college.

1. Students will be admitted to the College on the basis of satisfactorily meeting the following requirements:

A. General scholarship as evidenced by graduation from an approved secondary school, or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction;

B. All candidates for admission to West Chester State College must take the Scholastic Aptitude Test and the English Composition Test of the College Entrance Examination Board. *Junior* year scores or *senior* year scores will be accepted.

Students who apply for admission to the Secondary Education Curriculum must also take the Achievement Test corresponding to the student's intended first teaching field (major field). Secondary Education applicants are urged to take a second achievement test corresponding to their choice of second teaching field (minor field).

Applicants for admission to the Elementary Education, Health and Physical Education, and Music Education curricula are urged to take one achievement test of their own choosing in addition to the required English Composition Test.

The Scholastic Aptitude Test (morning test) may be taken in December, January, February, or March of the junior or senior year in high school; the Achievement Tests (afternoon tests) are offered in

December and March. All tests are also offered in May and August, but applicants who take the tests not later than March will be given preference in admission.

Applications and all necessary information for taking the examinations may be obtained from the guidance counsellor in your high school or directly from the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

C. Satisfactory character and personality traits as well as proper attitudes and interests as determined by the high school principal, guidance director, or other school official acquainted with the student;

D. Good health and physical condition as evidenced by a health examination by the student's family physician reported on a form supplied by the College. No student shall be admitted who has, in the opinion of the College, disabilities which would impair his service as a teacher. Applicants may be rejected for the following reasons:

(1) incurable defects or diseases as of the heart, lungs, kidneys, digestive system, nervous system (including hysteria, epilepsy, nervous instability), skin, organs of the special senses, thyroid;
(2) defective vision of marked degree;
(3) permanently impaired hearing;
(4) marked speech defects;
(5) unsightly deformities;
(6) marked obesity.

Students with remedial defects may be accepted on condition that immediate treatment be undertaken for removal of these defects;

E. Recommendations of two or more college staff members following a personal interview with the applicant. Particular attention will be paid to personality, speech habits, social presence, expressed interests, and promise of professional development;

F. In addition to the College Board Tests, a student desiring admission to the Music Education curriculum must pass the Music Qualifying Tests offered by the Department.
(See IV below);

G. For admission to the Health Education Curriculum a student must meet the conditions stated in IV below.

II. Foreign languages and science are not required for admission, but are recommended for those who elect them as areas of specialization in college.

III. To elect Mathematics in College, students must present three high school units of mathematics including algebra and plane geometry.

IV. Special requirements for admission to the Music Education Curriculum.

Special attention will be given to the promise of professional development and musical ability of the candidate as shown by:

A. The ability to sing songs with acceptable voice and interpretation.

B. The ability to sing hymns and folk tunes at sight with a fair degree of accuracy and facility;

C. Applicants whose major instrument is piano must give evidence of mastery of fourth grade material;

D. Applicants whose major instrument is other than piano must give evidence of mastery of second grade material in piano, or, lacking this requirement, should demonstrate sufficient musical ability to remedy this deficiency.

E. Students whose major performance area is instrumental should perform on an instrument in the Music Qualifying Tests. The following are considered to be *major* orchestral instruments — violin, viola, 'cello, bass, trumpet, trombone, tuba, French horn, oboe, English horn, flute, clarinet, and bassoon. The Music faculty

will audition any student who is desirous of enrolling in the Music Education curriculum on any instrument. However, the marimba, saxophone, accordion, drums, etc. are *not* considered acceptable as a major performance area instrument.

NOTE: The abilities, as stated above, will be determined by special tests* in sight singing, ear training, voice, piano, and musical instruments.

V. Special requirements for admission to the Health and Physical Education Curriculum.

The student must have participated in both the required physical education program and the extra curricular athletic program of his secondary school. The extent of participation in the latter will be judged upon the student's interest, aptitude, and growth in skills and knowledge of these areas.

VI. A student must be a citizen of the United States to be eligible for a teacher's certificate in Pennsylvania.

Evidence of Character

All applicants for admission shall present evidence of good moral character and ideals characteristic of the teaching service.

Evaluation of Credentials

Credentials of all students entering the West Chester State College on the basis of an approved secondary school preparation are evaluated by College officials; students not having an approved preparation or students whose preparation is irregular, shall have their credentials evaluated by the Credentials Evaluation Division, Department of Public Instruction, Harrisburg, Pennsylvania.

Evaluation of credits at the College cannot be made on registration days. This should be attended to prior to that time.

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* These tests are administered at stated times during the year. Candidates will be notified by the Director of Admissions when to come to the College for the tests.

Last Day for Admission

All applications must be completed and all requirements for admission must be met not later than one week prior to the first day of registration in September and in January. No admissions will be granted for the semester after the date indicated in the College Calendar.

Application for Admission

High school seniors who desire to enroll for a semester beginning in September should make application by filling in the Preliminary Application blank found at the back of this catalogue and sending it to the Director of Admissions in September of the senior year in High School or as soon thereafter as possible. Complete application forms and instructions will be mailed to all persons who file a Preliminary Application. The Director of Admissions will continue to accept applications for admission, College facilities permitting, throughout the winter, spring, and summer months of the year in which admission is desired.

A student who desires to enroll for a semester beginning in January should make application about October 1 but not later than December 10 by filling in the Preliminary Application blank found at the back of this catalogue and sending it to the Director of Admissions. Complete application forms and instructions will be mailed upon receipt of the Preliminary Application. January applicants must take The College Board Examinations not later than December as scores will not be available if taken later.

A student must qualify for admission not later than one week prior to registration day.

Readmission of Former Students

Students who have attended West Chester State College and who have withdrawn for acceptable reasons may direct a request to the Admissions Office for an "Application for Readmission." Those who have attended any institutions of higher learning since leaving West Chester must request such institutions to forward transcripts of their record to the Director of Admissions at West Chester.

Students who were dismissed or asked to withdraw for academic reasons and those who withdrew from the College with a below average academic record, will not be considered for readmission for at least one *academic semester*. Details may be secured from the Director of Admissions. Applications must be filed prior to 30 days before the opening date of the semester.

Admission of Special Students

Graduates of other colleges who wish to complete the requirements for a teacher's certificate may apply for admission as special students. Application forms and information may be secured from the Director of Admissions.

Admission of Students with Advanced Standing

APPLICATION.

Application forms and information for transfer students may be secured from the Admisions Office.

Students who have been dismissed or who have withdrawn from another college or university with a below average academic record will *not* be considered for admission to West Chester State College for at least *one academic semester*. Details may be secured from the Director of Admissions.

COLLEGE BOARD EXAMINATIONS

Transfer students with less than four (4) semesters of college experience must file College Board scores for the Scholastic Aptitude Test and the English Composition Test as a part of their application for admission to the West Chester State College.

If the applicant has previously taken the College Boards, he should send a request and a check for $1.00 to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey, for his scores to be sent to West Chester. If the applicant has not taken the College Boards, he may apply to the above address for an application form and information.

RECORD OF PREVIOUS WORK

Students who have attended other institutions of collegiate rank shall request each institution attended to send an official transcript of work directly to the Director of Admissions of the College.

To be acceptable, transcripts of work done at other colleges or universities must show an honorable dismissal of the student. Persons who have been placed on academic probation at another college or university and those who have been dismissed from other institutions are not eligible for admission to West Chester State College.

ADVANCED CREDIT

Advanced credit may be granted for equivalent courses in accredited institutions of collegiate grade, but no student may be graduated without earning a minimum of 30 semester hours of credit on campus.

Courses offered for transfer of credits will not be accepted if the grades for those courses are the lowest passing grades of the institution assigning them. If "D" is the lowest passing grade, courses so graded will not be accepted. If 70 is the lowest passing grade, no course will be accepted which is passed with a grade under 75.

INFORMATION FOR VETERANS

The West Chester State College has been approved by the Veterans Adminstration for training of veterans.

Veterans apply for admission in the regular manner and must meet the College admission requirements.

All new students who are eligible to enter with veterans' benefits should apply to the Veterans Adminstration office for official Certificates or Supplemental Certificates of Entitlement. This should be done as soon as an official notice of admission has been received.

If a veteran does not have his official letter of entitlement at the time of registration, he should be prepared to meet the financial requirements of the College so that he may complete his registration pending the arrival of his official letter.

The Dean of Instruction is the Veteran's Co-ordinator at the College.

SELECTIVE SERVICE INFORMATION

The Dean of Instruction is the College adviser on Selective Service. Students wishing advice on this subject should apply at his office in the Philips Memorial Building.

A student seeking deferment in order to continue his college career should request the office of the Dean of Instruction to submit the proper information to the student's local Selective Service Board.

STUDENT LIFE

Classification of Students: Commuting—Resident

1. *Resident Students.* Resident students are of two types:
   a. *Dormitory Students*—those who live in a college dormitory and take their meals in the College dining room. All dormitory students are required to eat in the College dining room.
   b. *Off-Campus Students*—those who live in an approved off-campus residence and are required to take their meals in the College dining room.
2. *Day (Commuting) Students* are those who live at the home of their parents or legal guardians and and commute daily to and from the College. Those driving cars must register with the Dean of Men.

The classification of students is determined by the Deans of Women and Men. These deans advise on the living conditions of all students.

Resident Students are required to eat in the College dining room. The President of the College may approve exceptions to this rule in very rare cases.

Application for permission to eat out of the College dining room must be filed in the office of the President of the College two weeks before the opening of each semester. The College Health Service will review each application based on a health condition when the family physician has submitted a detailed

diagnosis with a laboratory report such as blood count, urinalysis, and basal metabolism test.*

Any student granted permission to eat out of the College dining room may be required to live in an approved off-campus house.

Housing

The College has 376 rooms for women and 230 rooms for men in respective dormitories. Rooms are provided in private homes for *Off-Campus Students.* These rooms are inspected and approved by the Dean of Men. *Off-Campus Students* are under the same college regulations as dormitory students.

Students who live in the college dormitories are provided with bed linens and counterpanes. All other bed furnishings and toilet necessities are provided by the students.

The College cannot provide housing or apartments for veterans and their families. It is the responsibility of the individual to secure housing facilities prior to registration day.

Regulations Concerning Dormitory Students

A student who accepts an assignment in any college dormitory at the beginning of a semester or session will be responsible for the payment of the room rent fee for the entire semester or session. Exceptions will be made only in cases of personal illness, the same being certified by an attending physician, or for such other reasons as may be approved by the President of the College and the Board of Trustees. A student admitted to a college dormitory after a semester or session begins will be responsible for the payment of the room rent fee for the balance of the semester or session on a prorated basis.

Regulations Concerning Dormitory Guests

A dormitory student is permitted to have an overnight guest ONLY when such a guest HAS BEEN REGISTERED

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* The College Infirmary must be furnished with a diet list prepared and signed by the family physician. This list should be made out in duplicate, one copy to be kept at the eating place of the student's choice and the other to be placed on file at the Infirmary.

WITH AND APPROVED BY the Dean of Women, in the case of women students, or the Dean of Men, in the case of men students. A charge of 50c per night is required for each guest. Students to whom rooms have been assigned will be RESPONSIBLE INDIVIDUALLY FOR THE OBSERVATION OF THIS REGULATION.

Student Automobile Regulations

Resident students who have valid reasons within the existing College Automobile Regulations, may maintain and operate automobiles on campus, providing they apply for and obtain permission from the Dean of Men prior to bringing automobiles on campus.

Commuting students will be granted permission, upon application to the Dean of Men, to drive automobiles to and from the College daily.

College Book Store

The College Book Store carries, in addition to books, a complete line of student necessities. This book store is operated as a student enterprise, the net profits of which accrue to the benefit of the Student Activities Association.

EXTRA-CURRICULAR ACTIVITIES

The developing of the extra-curricular program, fitting it to the needs of the students, and co-ordinating its various phases into the whole of college living is the responsibility of the Director of Personnel. Questions of policy and regulations, the evaluating of the objectives of an activity, and other problems are acted upon by a committee composed of faculty and students.

The program of extra-curricular activities at West Chester emphasizes four types of activities leading to individual and group development. The various clubs, organizations, activities, and responsibilities are grouped under one of four headings according to type of development emphasized. The following indicates the four types together with some of the activities included in each phase:

Type A: Activities that center around college group life; activities of college community government and living, such as: Student Activities Association Executive Board, Student Councils, Class Committees, Epicurean Club, Quad Angles, Student-Faculty Committees, Serpentine, Press Board, Little Theatre.

Type B: Activities that promote better professional development—that train for sponsorship and organization of "extra-class" programs in the public schools. The various departments of the College sponsor professional clubs, such as: Association of Childhood Education, English, French, Geography, Mathematics, Music, Social Studies, Science, men's and women's sports activities for health and physical education students.

Type C: Activities that promote finer ethical values. These groups have organized a Council of Religious Clubs that plans for a unified program for the year as well as emphasizes ethical action as a united front; it is through united effort in this area that we may raise the standards of honor and character on the campus. The organizations in this group are: Bible Study Club, Hillel Foundation, Newman Club, and Student Christian Association.

Type D: Activities that satisfy individual interests. These activities are those of hobby groups and include a long list, such as: art, athletics, glee clubs, photography, phonograph, nature study, orchestra, etc.

Extra-Curricular Requirements for Students

Each student is required to participate in the activities of a club for one semester of each of the four years on campus. The Extra-Curricular Activities Committee and the Personnel Department ask the co-operation of the students in taking advantage of the varied types of extra-curricular activities that are offered. In order to receive credit for participation in extra-curricular activities it is necessary to meet the minimum attendance requirement and to actively take part in the activities of the club or organization.

No student is permitted to hold more than one office in one semester. It is hoped that this way it may be possible to spread opportunity and divide responsibility, thus develop leaders and discover latent abilities as well as continue to enjoy the services of those who are naturally inclined to direct affairs.

Students are urged to take into account the fact that their extra-curricular participation often has an important bearing upon their placement when seeking positions. Students should keep in mind not only the placement value of their extra-curricular program but also its cultural value.

PUBLICATIONS

QUAD ANGLES, the student newspaper, is published by an undergraduate staff, Positions in the organization are open to any member of the student body with reporting or editing ability. A faculty member serves as adviser.

THE SERPENTINE is the college yearbook published under the direction of the Senior Class. This record of college activities is edited by a student staff with a faculty adviser.

THE RAM'S HORN is a publication of the Varsity Club produced on the occasion of each home game of the football season. The staff is made up from the undergraduate body of the College aided by a faculty adviser.

THE HANDBOOK is published each year as an aid to incoming freshmen. It is prepared by a student staff with the advice of a faculty sponsor.

SCHOLARSHIPS

The College does not have scholarships to offer incoming students. Scholarships in the form of financial aid which students receive from other sources may be used at West Chester.

The following scholarships are available to West Chester students who qualify for them:

William Pyle Philips Scholarships

The William Pyle Philips full tuition (basic fee) scholarships are available to junior and senior students. To be eligible for these scholarships, *students must have been born in Chester County and must have lived there all their lives.* There are 40 to 50 scholarships awarded each year, the beneficiaries of which are selected on the basis of scholastic ability and citizenship.

The Samuel Martin Scholarship Bequest

This is a fund which was left by the will of Mr. Samuel Martin "to be used to defray part of the expenses of persons of limited means who are preparing to teach ... Persons who are assisted shall preferably be educated at West Chester Normal School" (now West Chester State College). "Children of Friends, or persons in sympathy with Friends are preferred". Persons wishing to obtain the benefits of this fund will inform Elbert N. Pusey, Esquire, 30 West Market Street, West Chester, Pennsylvania.

The Sarah H. Mellor Scholarship Fund of the Chester County Council of Parent-Teacher Associations

Mrs. Sarah H. Mellor was associated with the West Chester State College as student, teacher, and member of the Board of Trustees. Her interest in education in general, in children, and in youth found expression in her devotion to the work of the Parent-Teacher Associations, especially those in Chester County. It was, therefore, most fitting that the Chester County Council of Parent-Teacher Associations memorialize her through this scholarship. A Joint Committee from the Chester County Council of PTA and the College makes the award annually to a Chester County student who is in attendance at the West Chester State College. This award of $100. each year is based upon the need, personality, character, and scholastic ability of the student.

Hannah Kent Schoff Memorial Scholarships

The Pennsylvania Congress of Parents and Teachers, believing that there is great value in offering financial aid to worthy students who are preparing for the teaching field, for

Philips Memorial Building

many years has maintained a memorial loan fund in honor of its first president, Mrs. Hannah Kent Schoff. In 1957 this loan fund became the Hannah Kent Schoff Memorial Scholarship Fund. Outstanding students are recommended by their high schools and may become candidates for these scholarships to Pennsylvania State Teachers Colleges. Each scholarship is an outright grant of $150 per year, or $600 for the four years. The money is paid directly to the college and is applied to the student's account. These scholarships are valid only at the fourteen Pennsylvania State Colleges. Application forms, which should be secured from the High School Guidance Counselor, must be filed with the State College of the applicant's choice before March 1st.

The David M. Sensenig Memorial Scholarship

In memory of Dr. David M. Sensenig, who was Head of the Mathematics Department of the Normal School from 1895 until 1908, a scholarship is awarded annually to two juniors or seniors who have shown outstanding ability and achievement in Mathematics. The award is a $50 United States savings bond.

The Robert W. Burtt Scholarship

Robert W. Burtt, a graduate of the West Chester State Teachers College in 1943, has established a scholarship in the amount of $150. to be awarded yearly to students at the College who have demonstrated good character, good citzenship, and who maintain an academic standing acceptable to the College. One-third of the amount is to be given to a student who is majoring in history, one-third to a student majoring in geography, and one-third to a needy student in any field. A Committee composed of one faculty member from the History Department, one member from the Geography Department, one member from the general faculty, the Personnel Director, and the President of the College, acting as exofficio member, recommends the recipients of these scholarships.

Kift-Mullen Memorial Scholarship for Future Teachers

The scholarship has been inaugurated by the Robert L. Kift-Thomas R. Mullen, Jr. Memorial Fund, Inc., provided for by the Lehigh Structural Steel Company, Allentown, Penn-

sylvania. To apply for this scholarship, students must be either juniors or seniors and must be graduates of Allentown High School or Allentown Central Catholic High School. The amount of the scholarship is $200. per year.

The Theodore Presser Foundation Scholarship

A scholarship for music students is awarded by the Music Department, with the approval of the President of the College. The amount granted totals $400. yearly, as approved by the Board of Trustees of the Presser Foundation. This award was first granted to West Chester in 1929 and is available to juniors and seniors in the music curriculum.

Music Department Scholarship of the General Student Fund

Three scholarships, each in the amount of $100. are awarded during the sophomore year to sophomore music education students. College citizenship and performance in the area of applied music are the factors considered in making this award.

SICO Scholarships

The SICO Company of Mount Joy, Pennsylvania, has established three scholarships of $300. each year for students who are to enter the West Chester State College in the field of Elementary Education. The applicants for these scholarships must have legal residence in Chester, Berks, Cumberland, Dauphin, Lancaster, Lebanon or York Counties, or the State of Delaware, and must apply for the scholarship in their senior year of high school through the high school guidance counsellor. The scholarships are awarded on the basis of competitive examinations that are held at the college in March of each year.

Friars Memorial Scholarship

This scholarship is in memory of all those West Chester men who lost their lives in World War II. The amount of the scholarship is $100. awarded annually to the junior male student who has been selected on the basis of (1) high academic standing, (2) definite need, and (3) his contribution academically, socially, or athletically to the development and improvement of the College.

Valkyrie Club Scholarship

The scholarship, which amounts to $100. per year, is awarded to a member of the Valkyrie Club in her junior year and is to be applied to the payment of college expenses. The award is made on the basis of academic scholarship, need, and service to the Club.

York County Alumni Club Award

The members of this organization have established the Elsie O. Bull Scholarship fund to be awarded each year by a Special Committee of Awards to a person from York County who is attending, or will attend, the West Chester State College. The award is made on the basis of the need, ability, and achievement of the student considered.

Schuylkill County Alumni Club Award

A fund has been created by this group, to be awarded each year by the Scholarship Committee of the Club, to a person from Schuylkill County who is attending the West Chester State College. Need, ability, and promise are the prerequisites necessary for consideration.

Bethlehem Alumni Club Scholarship

The Bethlehem Alumni Club has set up a scholarship amounting to $125. per year, which is awarded to a student from the Bethlehem High School or the Bethlehem Catholic High School. This award is made directly to a senior in the above mentioned high schools by the Alumni Club.

Scholarship Awarded by the Delaware County Federation of Junior Women's Clubs

A fund has been created by this group to be awarded by the Scholarship Committee of the Club to one or more junior class women from Delaware County who are in attendance at the West Chester State College. The amount of this award varies but averages over $100. a year.

State Department Scholarship

The State Department of Public Instruction offers a scholarship of $100. per year for four years to the student earning the

highest score in the competitive examinations given in each county. This scholarship may be used at West Chester. If a student is interested in competing for this scholarship, he should apply to his high school guidance counsellor.

LOANS

The College endeavors to aid needy and deserving students to take advantage of their educational opportunity. A student whose record is satisfactory, both in academic achievements and in respect to personal and community responsibility, may feel that his application for financial aid will receive favorable consideration. Applicants should apply at the Personnel Office for the necessary forms.

There are several Loan Funds from which a student may seek financial assistance. These are listed below.

National Defense Student Loan Fund

The specific purpose of this Government Loan Program, established under the National Defense Education Act of 1958, is "to stimulate and assist in the establishment at institutions of higher education of funds for the making of low-interest loans to students *in need* thereof to pursue their courses of study in such institutions." While making these loans available to needy students in *any* field of study, the Act specifies that "in the selection of students to receive loans . . . special consideration shall be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, or a modern foreign language." Further information concerning these loans, as well as application forms, may be secured from Dr. Jack A. Owens, Institutional Representative for this Loan Fund.

Alumni Loan Fund

This is a fund which was created by the Alumni Association to aid needy students in their junior and senior years. The maximum loan is $100. per year. These loans must be used

exclusively for college expenses. Applicants must be good students and in need of this loan to continue their college education. Legal security is required. No interest is charged. Repayments begin at the rate of $15. monthly after graduation.

Student Loan Fund

Emergency loans are made from this fund which must be repaid within a year. The maximum amount loaned to any one student is $50. For such a loan, application forms may be secured from the Personnel Office.

The Student Activities Association Loan Fund

The Student Activities Association, a student organization on the College Campus, has set aside a fund to assist needy students through loans. Each application is decided upon its own merits by a Committee. Application forms may be secured from the Personnel Office.

Viola Marple Scholarship Loan Fund

In accordance with the will of Miss Viola Marple, former teacher in the English Department at the Normal School, two scholarship loan funds were established for the education of two deserving young women in need of financial aid, "whose whole record of ability, scholarship, and Protestant Christian character gives evidence of fitness for teaching and promise for future usefulness; the said loan to be made to such students each year as may be selected by the President and the English faculty." Renewal of any loan may be granted if the scholastic conditions are maintained. The awardees are required to sign promissory notes which will bear no interest, but will be payable after graduation.

B'nai B'rith Loan Fund

The Alan Kodish Lodge of B'nai B'rith, West Chester, Pennsylvania, has established a loan fund for needy and deserving students, whereby short term loans may be made up to $100. This loan is available to any student who is doing satisfactory academic work and who needs additional funds to continue his college education.

For further information on any of the above listed loan funds, students should consult the Personnel Director.

STUDENT EMPLOYMENT

Applications for the various types of student employment are accepted after May 1 of each year. Appointments for the year are made about July 1. Applications must be renewed each year.

Student Help Assistants

The College employs a limited number of students as helpers in some of the departments of the College; for example, the library, laboratories, and offices. Positions pay seventy cents an hour, the amount earned depending upon the number of hours employed during a month. Part-time positions require twenty-five hours of work per month; full-time positions require fifty hours work each month. Most of these jobs require some special form of training or skill. The money earned must be used exclusively for college expenses and is available primarily for those who could not otherwise attend college.

Student Waiters

Each year a number of men students are employed as waiters for the dining hall. Students thus employed are paid on an hourly basis and may earn from $375. to $400. for the year. Such positions are primarily available for those who could not otherwise go to college. The money thus earned must be used exclusively for college expenses.

Part Time and Odd Jobs

The Personnel Office offers to assist students who wish to earn money toward their college expenses. Students may register for such part time work or odd job work as may come to this office from the campus or community. While the Personnel Office makes every effort to obtain places for those who wish employment, it advises against depending upon this source for any regular income. The opportunities range from a few dollars to nearly $200. for the college year. Students who enter college with training in some special field are able to earn more than those with little or no training.

EXPENSES

A. FEES*

1. For Students Who Are Legal Residents of Pennsylvania—

**A. Fees for each *full-time* student are charged EACH SEMESTER as follows:

Curriculum	Basic Fee†	Special Curriculum Fee	Total*
Elementary Education	$100.		$100.
Secondary Education	$100.		$100.
Health and Physical Education	$100.	$18.	$118.
Music Education	$100.	$45.	$145.

B. Part-time Campus Students (students taking six semester hours or less)

(1) Basic Fee—$11. per semester hour (minimum basic fee $33.)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

C. Off-Campus Extension Students

(1) Basic Fee—$11. per semester hour (minimum basic fee $33.)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

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* FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

** The acceptance of a student is for a semester. Parents or guardians who are providing for the expenses of a student should understand that their financial obligations are for a full semester.

† This fee covers registration and keeping of records of students, library, student welfare, health service (other than extra nurse and quarantine), and laboratory facilities.

D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

2. For Students Other Than Legal Residents of Pennsylvania

A. Full-time Students

(1) Basic Fee — $100. per semester

(2) Out-of-state tuition fee—$168. per semester

(3) Special Curriculum Fee

(a) Health and Physical Education — $18. per semester

(b) Music Education—$45. per semester

B. Part-time Campus Students, Off-Campus Extension Students, and Summer Session Students—

(1) Basic Fee—$15. per semester hour (minimum basic fee $45.)

(2) Special Curriculum Fee—same as for full-time students prorated on the basis of eighteen semester hours.

3. Housing Fee

A. Housing rate for students.

The housing rate for students is $288 per semester.

This includes room and meals, during the time the College is officially in session (excludes holidays and recesses).

Students must vacate dormitory rooms on the day college recesses begin. Rooms may be occupied after 2:00 *P.M. on the day preceding the end of a college recess.*

(1) Official recesses to which this regulation applies are:

(a) Thanksgiving—from close of classes to 8:00 A.M. on the day classes resume;

(b) Christmas—from close of classes to 8:00 A.M. on the day classes resume;

(c) Between semesters—semesters end for freshmen, sophomores, juniors, non-graduating seniors, and special students immediately after their last final examination or student teaching assignment and the recess extends to 8:00 A.M. of the day students are scheduled to register for the next semester;

(d) Easter—from close of classes to 8:00 A.M. on the day classes resume.

(e) Other official holidays (recesses) to which this regulation applies may be designated by the College Administration.

(2) An additional charge of $9. per student will be made each semester for rooms with running water.

(3) A student may, at the discretion of the President of the College, occupy a double room alone by paying an additional $36. fee each semester.

(4) For the purpose of meeting the requirements of those college students who live in off-campus private rooming houses but board in the college dining room, the rate will be divided $7. for room and $9. for table board. Room rent is paid to the private housemothers and not to the College.

(5) No reduction in the rates is to be made for the absence of students who go home for a few days at a time.

B. Housing rates for employees other than those included in the State Classification Schedule (faculty, clerks, etc.) are $17. per week, divided $9. for meals and $8. for room.

C. The rate for separate meals is:

Breakfast $.50 Lunch $.75 Dinner $1.00
Transient lodging fee is $1. per night per person.

D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

4. Damage Fee

Students will be responsible for damages, breakage, loss, or delayed return of college property. The rooms are fully equipped for students at entrance. Any damage done to furniture, furnishings, or buildings beyond that which comes from use, will be charged to students. At the opening of the year all necessary electric lamps are furnished free. Thereafter, students pay for extra light bulbs. If damage results from using appliances other than those provided by the College, a proportionate amount will be charged to all students accountable.

5. Private Music Instruction Fees

A. Students enrolled in the Music Education Curriculum do not pay extra fees for private instruction in voice, piano, band, or orchestral instruments that are required in the curriculum. Such instruction is included in the basic fee. There is no charge for the use of pianos for practice. A rental charge is made for the following:

(1) Pipe organ for practice one period per day, $36. each semester.

(2) Orchestral instruments, $6. per semester.

B. Charges applicable to students in the Elementary, Secondary, or Health and Physical Education Curriculum.

(1) Voice, piano, band, or orchestral instruments, $24. each semester—for one half-hour lesson per week.

Pipe organ, $42. each semester—for one lesson per week.

(2) Rental of piano for practice, one period per day, $6. each semester.
Rental of pipe organ for practice, one period per day, $36. each semester.
Rental of band or orchestral instruments, $6. each semester.

6. Miscellaneous Fees

A. Diploma Fee

A fee of $5. must be paid by each candidate for a degree to cover the cost of the diploma.

B. Record Transcript Fee

One dollar ($1.) will be charged for the second and each subsequent transcript of records.

C. Late Registration Fee and Late Payments

A late registration fee of $1. per day, not to exceed $5., will be paid by students who do not register on the appointed registration day, except where pre-approval has been obtained from the President of the College. The same regulations shall apply to approved inter-semester payments.

7. Delinquent Accounts

No student will be enrolled, graduated, or receive a transcript of his record until all charges have been paid.

B. DEPOSITS

Advance Registration Fee For New Students

An initial deposit of ten dollars ($10.00) toward the advance registration fee must be sent by all applicants with their application. *This fee is not refundable for any reason whatsoever.*

When a student has been aproved for admission, he accepts the offer by sending an additional fifteen dollars ($15.00). This is a guarantee of his intention to enter the College for the term or semester designated *and is also not refundable.*

When a student enrolls at the College, he receives credit for the sum of the advance fees ($25.00) toward his Basic Fee. If a student does not enroll, he forfeits the entire amount.

Check or money order for these deposits must be drawn to the *Commonwealth of Pennsylvania.* The College is not responsible for currency sent in unregistered letters.

Advance Registration Fee For Upperclassmen

Upon notice by the Business Office, upperclassmen are required to pay an advance registration fee of twenty-five dollars ($25.00) as a guarantee of their intention to return to College. If this fee is not paid within the stipulated time limit, the student is dropped from the rolls of the College and loses all privileges and priorities that were due him.

If, after paying the advance fee, the student withdraws from the College or does not enroll for the semester or term designated, he forfeits the entire fee.

Check or money order must be drawn to the *Commonwealth of Pennsylvania.*

C. ADDITIONAL COSTS

1. Student Activity Fee

A student activity fee will be collected from all students (except those noted below) and administered under regulations approved by the Board of Trustees through a cooperative organization. This fee will cover the cost of student activities in athletics, lectures, entertainments, student publications, et cetera.

Students taking extension courses or regular session students taking less than six semester hours may secure the benefits of the activities program by the payment of the student activity fee. This fee, as determined and collected by the Student Activities Association of the West Chester State College is $17.50 for each semester.

2. Books

Each student purchases his own books and supplies. These may be bought at the College Book Store. The cost is approximately $40. each semester.

3. Gymnasium Outfits

A. *Health and Physical Education Students*

(1.) All Health and Physical Education men students are required to purchase athletic and gym outfits costing approximately fifteen dollars ($15.) the first semester, fifteen dollars ($15.) the third semester, and twenty dollars ($20.) in the student teaching semester.

(2.) Health and Physical Education women students are required to purchase gym outfits costing approximately thirty-five dollars ($35.). This expenditure occurs at the beginning of the first semester.

B. *Elementary, Secondary, and Music Students*

In the first semester of the freshmen year all students other than those registered in the field of Health and Physical Education are required to purchase a regulation gym outfit. For the women students this outfit will include a pair of blue shorts, a white shirt, a white sweat shirt, white socks, and canvas tennis shoes. This regulation outfit may be purchased in the stores of West Chester at an approximate cost of ten dollars ($10.).

For the men students this regulation outfit includes a pair of white shorts, a white T-shirt, white socks, canvas gym shoes, gray sweat pants, and gray sweat shirt. The approximate cost of this gym outfit is fifteen dollars ($15.).

4. Swimming Suits

A regulation swimming suit must be purchased by each student using the College pool. The cost for a man's suit

is approximately $2.25. The cost for a woman's suit is approximately $4.

5. Identification Cards

A charge not exceeding one dollar ($1.00) will be made for Student Identification Cards on the day of registration. Identification cards are used to admit students to college functions sponsored by the Student Activities Association and to the College dining room. Identification cards show each student's photograph, personal data, and rules pertaining to their use. Lost identification cards will be replaced at a cost of two dollars and fifty cents ($2.50).

6. Dues

Each student will pay either a Day Student or Dormitory Council fee of nominal amount which currently is fifty cents ($.50) per year.

7. Class Dues

Class dues constitute an obligation which every student assumes upon admission to the College and *must be paid at the time of registration.*

Class dues are determined by each class. For the current year the dues are as follows: Freshmen—$1.; Sophomores—$4.; Juniors—$7.; Seniors—$11.

D. REPAYMENTS

1. Repayments will be made:

In case of personal illness, the same being certified by an attending physician, or for such other reason as may be approved by the Board of Trustees, the amount of the housing and basic fees paid by the student for the part of the semester which the student does not spend in college will be refunded.

2. Repayments will not be made:

A. To students who are temporarily suspended, indefinitely suspended, dismissed, or who voluntarily withdraw from the College.

B. Of the advance registration deposit for any reason whatsoever.

E. DATE OF PAYMENTS

1960-1961

The College sends out bills for board and room and the basic and special curriculum fees each semester. This divides the payments per year into two units. If special arrangements other than these are desired, the student should consult the Business Manager of the College.

Checks for the basic and special curriculum fees and for board and room should be made payable to the COMMONWEALTH OF PENNSYLVANIA, and mailed to the College Business Office.

Checks for the STUDENT ACTIVITY FEE should be made payable to the Student Activities Association at West Chester, Pa., at the beginning of each semester. This fee shall be paid upon receipt of bill.

Payments are due as follows:

	1960-61
First semester	Sept. 8
Second semester	Jan. 23
Pre-Session Fees	June 5
Regular Summer Session Fees	June 26
Post-Session Fees	August 7

SUMMARY OF COSTS PER YEAR*

FOR RESIDENTS OF PENNSYLVANIA

1. Elementary or Secondary Education Curriculum

a. Boarding at the College

Basic Fee	$200.00
Activity Fee	35.00
Books (approximately)	80.00
Room and board	576.00
	$891.00**

* Fees are subject to change without notice. Out-of-state students will be charged a tuition fee of $336.00 per year in addition to the costs listed above.

** Cost of gymnasium outfits and class dues must be added to this total. See pages 77-78 for costs.

b. Day Students—Living at Home

Basic Fee	$200.00
Activity Fee	35.00
Books (approximately)	80.00
	$315.00**

2. Health and Physical Education Curriculum:

a. Boarding at the College

Basic and Special Curriculum Fees	$236.00
Activity Fee	35.00
Books (approximately)	80.00
Room and board	576.00
	$927.00**

b. Day Students—Living at Home

Basic and Special Curriculum Fees	$236.00
Activity Fee	35.00
Books (approximately)	80.00
	$351.00**

3. Music Education Curriculum:

a. Boarding at the College

Basic and Special Curriculum Fees	$290.00
Activity Fee	35.00
Books (approximately)	80.00
Room and board	576.00
	$981.00**

b. Day Students—Living at Home

Basic and Special Curriculum Fees	$290.00**
Activity Fee	35.00
Books (approximately)	80.00
	$405.00**

* Fees are subject to change without notice. Out-of-state students will be charged a tuition fee of $336.00 per year in addition to the costs listed above.

** Cost of gymnasium outfits and class dues must be added to this total. See pages 77-78 for costs.

CURRICULA OFFERED AT WEST CHESTER

1. Elementary Education Curriculum (see pages 81-83)
2. Secondary Education Curriculum (see pages 83-96)
3. Health and Physical Education Curriculum (see pages 97-100)
4. Music Education Curriculum (see pages 101-103)
5. Degree Curriculum for Dental Hygienists (see pages 104-106)
6. Degree Curriculum for Public School Nurses (see pages 107-109)

1. THE ELEMENTARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching for three years in the kindergarten and grades one to six inclusive, and for grades seven and eight when they are not a part of an approved junior high school or junior-senior high school in Pennsylvania.

(Sequence of courses subject to change for administrative reasons)

		Hours Clock	Semester
	FIRST SEMESTER		
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Sci. 100	Basic Biology	4	3
Ed. 100	Professional Orientation	3	3
Geog. 101	World Geography	3	3
H.E. 101	Physical Education	2	1
		17	15
	SECOND SEMESTER		
Eng. 102	English II	3	3
Eng. 104	Reading	2	2
Art 101	Fine Arts	3	3
Math. 101	Introduction to College Mathemaitcs	3	3
Sci. 150	Physical Science	4	3
H.E. 150	Health	2	2
		17	16
	THIRD SEMESTER		
Hist. 201	History of Civilization I	3	3
Eng. 221	Literature I	3	3
Ed. 250	General Psychology	3	3
Sci. 250	*Science for the Elementary Grades	3	3
Mus. 220	Fine Arts	3	3
H.E. 201	Physical Education	2	1
		17	16

* Courses so marked cover content materials, and specialized methods pertaining to the subject area involved.

		Hours Clock	Semester
	FOURTH SEMESTER		
Hist. 202	History of Civilization II	3	3
Eng. 222	Literature II	3	3
Art 202	*Art for the Elementary Grades	3	3
Mus. 251 or Mus. 252	*Music for the Primary Grades, or * Music for the Intermediate Grades	3	3
H.E. 202	Physical Education	2	1
	Elective	3	3
		17	16
	FIFTH SEMESTER		
Ed. 350	Educational Psychology	3	3
Ed. 309 or Ed. 319 / Eng. 328 / Ed. 317	*Language Arts	9	9
	Teaching of Reading 3-3		
	* Children's Literature 3-3		
	* Teaching of Language Arts 3-3		
H.E. 350	*Health for the Elementary Grades	3	2
	Elective	3	3
		18	17
	SIXTH SEMESTER		
Hist. 311	History of the United States and Pennsylvania I	3	3
Ed. 351	Human Development (Childhood)	3	3
Math. 351	*Arithmetic for the Elementary Grades	3	3
Ed. 320	*Social Studies and Geography	3	3
Ed. 300	Audio-Visual Education	3	2
	Elective (in Science)	3	3
		18	17
	SEVENTH SEMESTER		
Ed. 451	Tests and Measurements in Guidance	3	3
Ed. 480	Introduction to Philosophy	3	3
Pol. Sci. 431	American Government	3	3
Eng. 353	Speech Problems	3	3
Ed. 401	Problems of Elementary Education	3	3
	Elective	2	2
		17	17
	EIGHTH SEMESTER		
Ed. 410	Student Teaching and Direction of Student Activities	30	12
Ed. 400	Practicum and School Law	2	2
		32	14
	Total Semester Hours Required for Graduation		128

* Courses so marked cover content materials, and specialized methods pertaining to the subject area involved.

SPECIALIZATION AND ELECTIVES

Students may specialize in Early Childhood, in Intermediate Grade, or in Upper Grade teaching by selecting appropriate electives. A minimum of six semester hours in any of the three areas shall constitute specialization in that area.

		Hours Clock	Semester
ELECTIVES:			
Art 201	Arts and Crafts	3	3
Art 301	Problems in Art Education	3	3
Art 302	Creative Art	3	3
Art 303	Creative Design	3	3
Ed. 301	Pre-School Education	3	3
Ed. 303	Creative Activities in the Elementary School	3	3
Ed. 307	Diagnostic and Remedial Reading	3	3
Ed. 310	School and Community	3	3
Ed. 330	Teaching the Exceptional Child	3	3
Ed. 353	Child Adjustment	3	3
Ed. 370	Mental Hygiene	3	3
Ed. 380	Ethics	3	3
Ed. 401	Problems of Elementary Education	3	3
Eng. 353	Speech Problems	3	3
Mus. 100	Foundations of Music	3	3
Mus. 401	Piano Class (Elementary)	3	3
Mus. 403	Teaching Music Appreciation in the Elementary Schools	3	3

Students may also elect courses in academic fields and special curricula for which they are qualified.

2. THE SECONDARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching specific subjects in an approved secondary school in Pennsylvania for three years. Students are required to choose two areas of specialization. These are indicated on the following pages.

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER

		Hours Clock	Semester
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Sci. 100	Basic Biology	4	3
Geog. 101	World Geography	3	3
H.E. 104	Physical Education	2	1
	Elective	3	3
		17	15

		Hours Clock	Semester
	SECOND SEMESTER		
Eng. 102	English II	3	3
Eng. 104	Reading	2	2
Sci. 150	Basic Physical Science	4	3
Ed. 100	Professional Orientation	3	3
Math 101	Introduction to College Mathematics	3	3
H.E.204	Physical Education	2	1
	Elective	3	3
		20	18
	THIRD SEMESTER		
Hist. 201	History of Civilization I	3	3
Eng. 221	Literature I	3	3
Ed. 250	General Psychology	3	3
Art 101	Fine Arts	3	3
H.E. 150	Health	2	2
	Elective	3	3
		17	17
	FOURTH SEMESTER		
Hist. 202	History of Civilization II	3	3
Eng. 222	Literature II	3	3
Mus. 220	Fine Arts	3	3
H.E. 205	Physical Education	2	1
	Electives	6	6
		17	16
	FIFTH SEMESTER		
Hist. 311	History of the United States and Pennsylvania I	3	3
Ed. 350	Educational Psychology	3	3
Ed. 352	Human Development (Adolescence)	3	3
	Electives	7	7
		16	16
	SIXTH SEMESTER		
Ed. 300	Audio-Visual Education	3	2
Ed. 302	Problems of Secondary Education Including Guidance	3	3
Ed. 451	Tests and Measurements in Guidance	3	3
	Electives	9	9
		18	17
	SEVENTH SEMESTER		
Ed. 480	Introduction to Philosophy	3	3
Pol. Sci. 431	American Government	3	3
	Electives	9	9
		15	15

		Hours Clock	Semester
	EIGHTH SEMESTER		
Ed. 410	Student Teaching and Direction of Student Activities	30	12
Ed. 400	Professional Practicum and School Law	2	2
		32	14
	Total Semester Hours Required for Graduation		128

Specialization in *one* of the teaching fields listed below is required for graduation in Secondary Education. For a particular field, fulfillment of the requirement listed will satisfy the teacher certification requirements in Pennsylvania.

Students who wish to be certified to teach in a second field must meet the minimum requirement for certification which is shown in the second column.

If the first field choice is English, Comprehensive Science, or Social Studies, in order to meet the requirement for certification in a second field, attendance will be required at one or more summer sessions during the four-year college program, usually after the sophomore and/or junior years.

The minimum semester hour requirements for each of the fields of specialization are as follows:

	First Field	Second Field
Biology	30	24
Chemistry	30	24
Comprehensive Science	40	—
Earth and Space Science	30	24
English	36	—
French	30	24
General Science	30	24
Geography	30	24
German	—	24
Latin	—	24
Mathematics	30	24
Physics	30	24
Russian	—	24
Social Studies	45	—
Spanish	—	24

AREAS OF SPECIALIZATION
English

(First field 36 Semester Hours; no second field.)

Course descriptions on pages 120-126

REQUIRED—

Eng. 101-103	*Communication I	5	5
or Eng. 101	English I (3-3)		
and Eng. 103	**Speech (2-2)		
Eng. 102-104	*Communication II	5	5
or Eng. 102	English II (3-3)		
and Eng. 104	**Reading (2-2)		
Eng. 221	Literature I	3	3
Eng. 315	Teaching English in Secondary Schools ..	3	3

RESTRICTED ELECTIVES—

At least one course must be selected from each of Groups 1, 2, 3, and 4.

Group 1. COMPOSITION COURSES

Eng. 211	Journalism	3	3
Eng. 312	Advanced Composition	3	3
Eng. 313	Creative Writing	3	3
Eng. 314	English Philology and Grammar.	3	3

Group 2. SURVEY COURSES

Eng. 223	American Literature	3	3
Eng. 224	English Literature I	3	3
Eng. 225	English Literature II	3	3
Eng. 326	American Poetry	3	3
Eng. 327	American Prose	3	3
Eng. 328	Children's Literature	3	3

Group 3. PERIOD COURSES

Eng. 331	Pre-Shakespearean Literature ...	3	3
Eng. 332	Shakespeare	3	3
Eng. 333	Eighteenth Century Literature...	3	3
Eng. 334	The Romantic Movement	3	3
Eng. 335	Victorian Literature	3	3

*3 Semester Hours of credit will count toward specialization in English.
**Does not carry credit toward specialization in English.

		Hours Clock	Semester
Group 4. LITERARY FORM COURSES			
Eng. 341	The Novel to 1870	3	3
Eng. 342	Contemporary Novel	3	3
Eng. 343	Contemporary Poetry	3	3
Eng. 344	Modern Drama	3	3
Eng. 345	Criticism	3	3
Eng. 346	The Essay	3	3
Eng. 347	Literature of Biography	3	3
Eng. 348	Short Story	3	3

Group 5. ENGLISH FREE ELECTIVES

(These courses do not carry credit toward the basic 36 hours required for a field in English but may be used as supplemental credits.)

Eng. 351	Play Production	3	3
Eng. 352	Dramatics in the Elementary Grades	3	3
Eng. 353	Speech Problems	3	3
Eng. 354	Choral Speaking	3	3

French

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions on pages 126-128

REQUIRED

Fr. 101	Elementary French I	3	3
Fr. 102	Elementary French II	3	3
Fr. 103	French Composition	3	3
Fr. 104	French Conversation	3	3

ELECTIVES

Fr. 201	Survey of Literature	3	3
Fr. 202	Survey of Literature	3	3
Fr. 301	Advanced Language and Techniques	3	3
Fr. 302	French Classical Drama	3	3
Fr. 303	French Literature of the 19th Century	3	3
Fr. 401	Development of the French Novel.	3	3

German

(Courses offered contingent upon enrollment)

		Hours Clock	Semester
	Course descriptions on page 128		
Ger. 101	Elementary German I	3	3
Ger. 102	Elementary German II	3	3

Latin

(Courses offered contingent upon enrollment)

To specialize in Latin, students must present not less than two years of secondary school Latin, or Beginning Latin I and II, and demonstrate competence to specialize in this field.

(First field not offered; Second field 24 Semester Hours)

Course descriptions on pages 128-129

REQUIRED

Lat. 101	*Beginning Latin I	3	3
Lat. 102	*Beginning Latin II	3	3
Lat. 103	Ovid and Virgil	3	3
Lat. 104	Livy	3	3
Lat. 201	Cicero and Tacitus Selections	3	3
Lat. 202	Horace	3	3
Lat. 301	Platus and Terence	3	3
Lat. 302	Roman Civilization	3	3

Russian

(Courses offered contingent upon enrollment)

Course descriptions on page 130

Russ. 101	Elementary Russian I	3	3
Russ. 102	Elementary Russian II	3	3

Spanish

(Courses offered contingent upon enrollment)

Course descriptions on page 130

Span. 101	Elementary Spanish I	3	3
Span. 102	Elementary Spanish II	3	3

*A beginning course for students lacking two years of high school Latin. This two semester course will not be credited toward a teaching field in Latin.

Geography

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions on pages 130-136

		Hours Clock	Semester
REQUIRED			
Geog. 101	World Geography	3	3
Geog. 202	Geography of the U.S. and Canada	3	3
Geog. 203	Economic Geography	3	3
Geog. 205	Physiography	3	3
Geog. 307	Geography of the U.S.S.R. (Including Satellite Countries	3	3
Geog. 311	*Teaching Geography in Secondary Schools	3	3

RESTRICTED ELECTIVES

At least one course must be chosen from each of Groups 1, 2, and 3.

Group 1. EARTH STUDIES

Geog. 206	Meteorology	3	3
Geog. 301	Geology	3	3
Geog. 302	Climatology	3	3
Geog. 303	Cartography	3	3

Group 2. ECONOMIC STUDIES

Geog. 201	Conservation of Natural Resources	3	3
Geog. 209	The U.S. in its Global Relationships	3	3
Geog. 210	Geographic Influence in American History	3	3
Geog. 308	Trade and Transportation	3	3
Geog. 309	World Problems	3	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

		Hours Clock	Semester
Group 3. REGIONAL STUDIES			
Geog. 102	Geography of the U.S. and Pennsylvania	3	3
Geog. 204	Geography of Pennsylvania	3	3
Geog. 207	Geography of Europe	3	3
Geog. 208	Geography of Latin America	3	3
Geog. 304	Geography of Asia	3	3
Geog. 305	Geography of the Far East	3	3
Geog. 306	Geography of Africa and Australia	3	3
Geog. 310	Field Courses (as approved)	3	3

Mathematics

(First field 30 Semester Hours; Second field 24 Semester Hours)

Course descriptions on pages 150-153

Students demonstrating competence to specialize in Mathematics will not be required to take Introduction to College Mathematics (Math. 101).

REQUIRED

Math. 105	College Algebra and Trigonometry	3	3
or			
Math. 111	College Algebra I	3	3
and			
Math. 121	College Trigonometry	3	3
Math. 131	Analytic Geometry	3	3
Math. 241	Differential Calculus	3	3
Math. 242	Integral Calculus	3	3
Math. 350	*Teaching Mathematics in Secondary Schools	3	3

ELECTIVES

Math. 211	College Algebra II	3	3
Math. 301	Mathematics of Finance	3	3
Math. 303	Statistics	3	3
Math. 331	College Geometry	3	3
Math. 341	Intermediate Calculus	3	3
Math. 401	History of Mathematics	3	3
Math. 402	Modern Mathematics	3	3
Math. 441	Differential Equations	3	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

Science

Course descriptions on pages 168-178

Comprehensive Science

(First field 40 Semester Hours; no second field.)

A student may qualify for the *Comprehensive Science Certificate* by completing a minimum of forty (40) semester hours with not less than eight (8) semester hours in *each* of the following: biology, chemistry, and physics; *and* not less than (6) semester hours in earth sciences (astronomy, geology, and meteorology); *and* not less than three (3) semester hours in mathematics.

General Science

(First Field 30 hours; Second Field 24 hours)

Certification to teach General Science is valid for teaching General Science in all grades up to and including the ninth grade.

A student may be certified to teach General Science on the completion of twenty-four (24) semester hours in any two or all of the sciences;

Basic Biology (Sci. 100) and Basic Physical Science (Sci. 150) are not required of students with specialization in General Science. Supporting electives recommended are listed under Biology, Chemistry, Geography (Earth Sciences), Mathematics, and Physics. Modern Aspects of Science (Sci. 400) should be chosen as an elective in the senior year.

REQUIRED			Hours Clock	Hours Semester
Biol.	111	Botany I	6	4
or				
Biol.	112	Botany II	6	4
Chem.	121	Inorganic Chemistry I	6	4
Chem.	122	Inorganic Chemistry II	6	4
Biol.	141	Zoology I	6	4
or				
Biol.	142	Zoology II	6	4
Phys.	131	Physics I	6	4
Phys.	132	Physics II	6	4
Geog.	206	Meteorology	3	3
Sci.	350	*Teaching Science in Secondary Schools	3	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

Biology

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Biology (Sci. 100) is not required when a field of specialization is Biology. In place of this course, Chemistry and Physics are recommended. Modern Aspects of Science (Sci. 400) is recommended for the junior or senior years.

REQUIRED

Biol. 111	Botany I	6	4
Biol. 112	Botany II	6	4
Biol. 141	Zoology I	6	4
Biol. 142	Zoology II	6	4
Sci. 350	*Teaching Science in the Secondary School	3	3

RESTRICTED ELECTIVES (apply only to first teaching field)

At least one course must be selected from each group.

Group 1 FIELD COURSES

Biol. 210	Field Botany	5	3
Biol. 241	Field Zoology	5	3
Biol. 242	Ornithology	5	3
Biol. 302	Ecology	5	3
Biol. 341	Entomology	5	3

Group 2. LABORATORY COURSES

Biol. 301	Genetics	5	3
Biol. 310	Microbiology	5	3
Biol. 342	Parasitology	5	3
Biol. 343	Mammalian Anatomy	5	3
Biol. 344	Human Physiology	5	3
Biol. 351	Embryology	5	3
Biol. 401	Histology	5	3
Biol. 402	Cytology	5	3

Chemistry

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Physical Science (Sci. 150) is not required when a field of specialization is Chemistry.

Students who elect Chemistry as a first field and Physics as a second field may count the hours in Physics I and II towards both fields.

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

			Hours Clock	Hours Semester
REQUIRED				
Chem.	121	Inorganic Chemistry I	6	4
Chem.	122	Inorganic Chemistry II	6	4
Chem.	221	Qualitative Analysis	7	3
Chem.	222	Quantitative Analysis	7	3
Sci.	350	*Teaching Science in the Secondary School	3	3
ELECTIVES				
Chem.	123	Inorganic Chemistry III	6	4
Phys.	131	Physics I	6	4
Phys.	132	Physics II	6	4
Chem.	321	Organic Chemistry I	6	4
Chem.	322	Organic Chemistry II	6	4
Chem.	331	Physical Chemistry	5	3

Earth and Space Science

(First field 30 Semester Hours; Second field 24 Semester Hours)

Basic Physical Science (Sci. 150) is not required when a field of specialization is Earth and Space Science. Modern Aspects of Science (Sci. 400) is a recommended elective for the junior or senior year.

REQUIRED				
Chem.	121	Inorganic Chemistry I	6	4
Chem.	122	Inorganic Chemistry II	6	4
Phys.	131	Physics I	6	4
Phys.	132	Physics II	6	4
Phys.	430	General Astronomy	3	3
Geog.	205	Physiography	3	3
Geog.	206	Meteorology	3	3
Geog.	301	Geology	3	3
Sci.	350	*Teaching Science in the Secondary School	3	3

ELECTIVES

To be selected from Chemistry, Physics, or **Earth Science.

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* Required for a first field; may not be used to satisfy the minimum requirements for a second field.

**To be selected from Geography, Group I. See page 89.

Physics

(First field 30 Semester Hours; Second field 24 Semester Hours)

Students who elect Physics as a first field and Chemistry as a second field may count the hours in Inorganic Chemistry I and II towards both fields.

Basic Physical Science (Sci. 150) is not required when a field of specialization is Physics.

Beyond Physics I and Physics II (General College Physics) the course in Integral Calculus is recommended for all students in this field.

REQUIRED

			Hours Clock	Hours Semester
Phys.	131	Physics I	6	4
Phys.	132	Physics II	6	4
Phys.	231	Mechanics	6	4
Phys.	431	Modern Physics	5	3
Phys.	432	Atomic Physics	5	3
Math.	105	College Algebra	5	3
		and Trigonometry**	3	3
Sci.	350	*Teaching Science in the Secondary School	3	3

ELECTIVES

Chem.	121	Inorganic Chemistry I	6	4
Chem.	122	Inorganic Chemistry II	6	4
Phys.	331	Electricity and Magnetism	6	4
Phys.	332	Electronics	5	3
Phys.	333	Optics	5	3
Phys.	430	General Astronomy	3	3
Math.	242	Integral Calculus	3	3

Social Studies

(First field 45 Semester Hours; No second field)

Social Studies Course descriptions on pages 178-183
Geography Course descriptions on pages 130-136

REQUIRED

Hist.	201	History of Civilization I	3	3
Hist.	202	History of Civilization II	3	3

*Required for a first field; may not be used to satisfy the minimum requirements for a second field.

**May not be used to satisfy the minimum requirements for either a first or second field.

			Hours Clock	Semester
Hist.	311	History of the United States and Pennsylvania I	3	3
Hist.	312	History of the United States and Pennsylvania II	3	3
Pol. Sci.	431	American Government	3	3
Ec.	331	Principles of Economics	3	3
Soc.	331	Principles of Sociology	3	3
Soc. St.	331	Teaching Social Studies in Secondary Schools	3	3
Geog.	202	Geography of the United States and Canada	3	3
Geog.	203	Economic Geography	3	3

RESTRICTED ELECTIVES

At least one course must be selected from each of Groups 1, 2, 3, 4, and 5.

Group 1. UNITED STATES HISTORY

Hist.	313	History of Pennsylvania	3	3
Hist.	314	Diplomatic History of the United States	3	3
Hist.	315	Economic History of the United States	3	3

Group 2. EUROPEAN HISTORY

Hist.	221	History of Europe to 1815	3	3
Hist.	222	History of Europe since 1815	3	3
Hist.	321	History of England	3	3

Group 3. REGIONAL HISTORY

Hist.	322	History of the Far East	3	3
Hist.	323	History of the Middle East	3	3
Hist.	324	History of Latin America	3	3
Hist.	325	History of Twentieth Century World	3	3

Group 4 SOCIAL SCIENCE

			Hours Clock	Semester
Pol. Sci.	331	State and Local Government	3	3
Pol. Sci.	332	Comparative Government	3	3
Pol. Sci.	333	International Relations	3	3
Soc.	332	Contemporary Social Problems	3	3
Soc.	333	The Family	3	3
Ec.	332	Contemporary Economic Problems	3	3

Group 5. GEOGRAPHY

Geog.	201	Conservation of Natural Resources	3	3
Geog.	207	Geography of Europe	3	3
Geog.	208	Geography of Latin America	3	3
Geog.	209	The United States in its Global Relationships	3	3
Geog.	210	Geographic Influences in American History	3	3
Geog.	307	Geography of the U.S.S.R.	3	3
Geog.	308	Trade and Transportation	3	3
Geog.	309	World Problems	3	3

Francis Harvey Green Library

3. THE HEALTH AND PHYSICAL EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Health Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching and supervising Health and Physical Education in the elementary and secondary schools of Pennsylvania for three years.

All Health and Physical Education major students must meet department extra-curricular requirements before they may attain Senior standing.

(Sequence of courses subject to change for administrative reasons)

		Hours Clock	Semester
	FIRST SEMESTER		
Eng. 101	English I	3	3
Eng. 103	Speech	2	2
Math. 101	Introduction to College Mathematics	3	3
Ed. 100	Professional Orientation	3	3
H.E. 151	Hygiene	3	3
H.E. 131	Aquatics I	3	1
H.E. 111	Gymnatics I	3	1
H.E. 121	Athletics I	3	1
		23	17
	SECOND SEMESTER		
Ed. 300	Audio-Visual Education	3	2
Eng. 102	English II	3	3
Eng. 104	Reading	2	2
Chem. 120	General Chemistry	5	3
Art 101	Fine Arts	3	3
H.E. 132	Aquatics II	3	1
H.E. 112	Gymnastics II	3	1
H.E. 122	Athletics II	3	1
		25	16
	THIRD SEMESTER		
Eng. 221	Literature I	3	3
Hist. 201	History of Civilization I	3	3
Ed. 250	General Psychology	3	3
Biol. 261	Anatomy and Physiology I	5	3
H.E. 241	Dancing I	3	1
H.E. 211	Gymnastics III	3	1
H.E. 221	Athletics III	3	1
		23	15

		Hours Clock	Semester
	FOURTH SEMESTER		
Eng. 222	Literature II	3	3
Hist. 202	History of Civilization II	3	3
Mus. 220	Fine Arts	3	3
Biol. 262	Anatomy and Physiology II	5	3
H.E. 261	History of Physical Education	2	2
H.E. 242	Dancing II	3	1
H.E. 212	Gymnastics IV	3	1
H.E. 222	Athletics IV	3	1
		25	17
	FIFTH SEMESTER		
Hist. 311	History of the United States and Penna. I	3	3
H.E. 362	Physical Education for the Elementary Grades	3	2
H.E. 361	Tests, Measurements and Guidance in Health and Physical Education	3	3
H.E. 351	Human Development	3	3
H.E. 363	Applied Physiology	2	2
H.E. 321	Athletics V	3	1
H.E. 311	Gymnastics V	3	1
		20	15
	SIXTH SEMESTER		
Ed. 350	Educational Psychology	3	3
H.E. 365	Physical Activities for Atypical Children I	2	2
H.E. 364	Organization and Administration of Physical Education	3	3
H.E. 352	Methods and Materials in Health Education	3	2
H.E. 322	Athletics VI	3	1
H.E. 312	Gymnastics VI	3	1
H.E. 350	First Aid	2	2
	Elective	3	3
		22	17
	SEVENTH SEMESTER		
Ed. 480	Introduction to Philosophy	3	3
Pol. Sci. 431	American Government	3	3
H.E. 461	Physical Activities for Atypical Children II	3	2
H.E. 462	Principles of Recreation	2	2
H.E. 463	Principles of Coaching	2	2
	Electives	5	5
		18	17
	EIGHTH SEMESTER		
H.E. 471	Student Teaching and Direction of Student Activities	30	12
H.E. 472	Professional Practicum Including School Law	2	2
		32	14
	Total Semester Hours Required for Graduation		128

Students may also elect courses in academic fields and special curricula for which they are qualified.

RECREATION LEADERSHIP

For students who desire to prepare as recreation leaders, an elective area is provided.

Course descriptions on pages 144-146

REQUIRED COURSES — 16 semester hours

		Hours Clock	Semester
H.E. 131	*Aquatics I	3	1
H.E. 132	*Aquatics II	3	1
H.E. 350	*First Aid	2	2
H.E. 241	*Dancing I	3	1
H.E. 242	*Dancing II	3	1
H.E. 321	*Athletics V	3	1
H.E. 322	*Athletics VI	3	1
H.E. 366	Organization and Administration of Recreation	3	3
H.E. 462	*Principles of Recreation	2	2
H.E. 464	Supervised Recreation Leadership	6	3
	Total	31	16

ELECTIVE COURSES — 8 semester hours

(to be chosen from two or more of the following fields):

H.E. 331	Advanced Aquatics	3	2
H.E. 341	Modern Dance	2	1
H.E. 353	Advanced First Aid	2	2
H.E. 367	Arts and Crafts in Recreation	3	3
H.E. 368	Music in Recreation	3	3
H.E. 369	Dramatics in Recreation	3	3
H.E. 370	Camping and Outing	3	3

*Health and Physical Education Major students receive credit for these courses since they are required courses for the major field.

EDUCATION FOR SAFE LIVING (HIGHWAY SAFETY AND GENERAL SAFETY EDUCATION)

The standards for certification as approved by the State Council of Education, January 9, 1948, require twelve semester hours *for the extension of a teacher's certificate to include this field.*

The following courses are offered by the College to satisfy the course requirement in this field:

Course descriptions on pages 143-144

		Hours Clock	Semester
H.E. 481	Introduction to Safety Education.	3	3
H.E. 482	Driver Education and Training..	3	3
H.E. 483	Psychology of Accident Prevention	3	3
H.E. 484	Methods and Materials in Safety Education	3	3
H.E. 485	Organization and Supervision in Safety Education	3	3

PRE-PHYSICAL THERAPY

Course descriptions on pages 144-146

H.E. 392	Introduction to Physical Therapy	2	2
H.E. 491	Seminar and Observation in Pre-Physical Therapy	9	3

4. THE MUSIC EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Music Education by the College and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching music in the elementary and secondary schools of Pennsylvania for three years.

(Sequence of courses subject to change for administrative reasons)

		Hours Clock	Semester
	FIRST SEMESTER		
Eng. 101-103	Communication I or English 101 (3-3) and Speech 103 (2-2)	5	5
Sci. 100	Basic Biology	4	3
Mus. 100	Foundations of Music	3	3
H.E. 107	Physical Education I (Eurythmics)	2	1
Mus. 21	Violin I	2	1
Mus. 71 or 81	Orchestra or Band	2	1/3
Mus. 61	Chorus	2	1/3
	Piano (private lesson)	½	1
	Voice (private lesson)	½	1
		21	15-2/3
	SECOND SEMESTER		
Eng. 102-104	Communication II or English 102 (3-3) and Reading 104 (2-2)	5	5
Mus. 110	Theory of Music	3	3
Mus. 211	Sight Singing	3	3
H.E. 150	Health	2	2
H.E. 207	Physical Education II (Eurythmics II)	2	1
Mus. 22	Violin II	2	1
Mus. 72 or 82	Orchestra or Band	2	1/3
Mus. 62	Chorus	2	1/3
	Piano	½	1
	Voice	½	1
		22	17-2/3
	THIRD SEMESTER		
Eng. 221	Literature I	3	3
His. 201	History of Civilization I	3	3
Mus. 201	Theory of Music	3	3
Mus. 212	Sight Singing	2	2
Mus. 31-32	Clarinet (class)	2	1
Mus. 73 or 83	Orchestra or Band	2	1/3
Mus. 63	Chorus	2	1/3
	Piano	½	1
	Voice	½	1
		18	14-2/3

		Hours Clock	Semester
	FOURTH SEMESTER		
Eng. 222	Literature II	3	3
Hist. 202	History of Civilization II	3	3
Ed. 250	General Psychology	3	3
Ed. 100	Professional Orientation	3	3
Mus. 202	Theory of Music	3	3
Mus. 74 or 84	Orchestra or Band	2	1/3
Mus. 64	Chorus	2	1/3
	Piano	½	1
	Voice	½	1
		20	17-2/3
	FIFTH SEMESTER		
Mus. 351	Human Development	3	3
Art 101	Fine Arts (Art)	3	3
Mus. 312	Instrumental Methods	3	2
Mus. 301	Theory of Music	3	2
H.E. 208	Physical Education III	2	1
Mus. 41-42	Trumpet (class)	2	1
Mus. 75 or 85	Orchestra or Band	2	1/3
Mus. 65	Chorus	2	1/3
Mus. 311	Secondary Music Methods	2	2
	Piano	½	1
	Voice or Instrument	½	1
		23	16-2/3
	SIXTH SEMESTER		
Hist. 311	History of the United States and Pennsylvania I	3	3
Ed. 350	Educational Psychology	3	3
Mus. 220	Fine Arts (Music)	3	3
Mus. 331	Choral Conducting	2	2
Mus. 76 or 86	Orchestra or Band	2	1/3
Mus. 66	Chorus	2	1/3
	Elective	2	2
	Piano	½	1
	Voice or Instrument	½	1
		18	15-2/3
	SEVENTH SEMESTER		
Pol. Sci. 431	American Government	3	3
Ed. 480	Introduction to Philosophy	3	3
Mus. 233	Physical Science (Acoustics)	4	3
Mus. 310	History of Music	3	3
Mus. 332	Conducting (Instrumental)	2	2
	Major Musical Organization	2	½
	Piano, Voice, or Instrument	½	1
		17½	15½

		Hours Clock	Semester
	EIGHTH SEMESTER		
Mus. 421	Student Teaching, Direction of Student Activities, and Professional Practicum	32	12
	Elective (Applied Music)	½	1
	Piano, Voice or Instrument	½	1
	Major Musical Organization	2	½
		35	14½
	Total Semester Hours Required for Graduation		128

ELECTIVES

Mus. 320	American Music	2	2
Mus. 324	Choral Materials and Practices	2	2
Mus. 321	Counterpoint	2	2
Mus. 323	Composition	2	2
Mus. 325	Class Piano Methods	2	2
Mus. 326	Instrumental Techniques	2	2
	Applied Music		
	Class Lesson	1	½
	Private Lesson	½	1

Students may also elect courses in academic fields and special curricula for which they are qualified.

5. DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The degree of Bachelor of Science in Education will be conferred upon Dental Hygienists meeting the following requirements:

1. The possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania issued by the State Dental Council and Examining Board and the Department of Public Instruction.

   "The professional education requirement for dental hygiene is the satisfactory completion of an approved dental hygienist course of instruction of two years of not less than thirty-two weeks of not less than thirty hours each week or its equivalent in and graduation from a dental hygiene school approved by the State Council and Examining Board."*

2. The satisfactory completion in addition thereto of 64 semester hours of professional and general education courses distributed as follows:

			Semester Hours
A.	EDUCATION		11
	Ed. 100	Professional Orientation 3	
	Ed. 250	General Psychology 3	
	Ed. 300	Audio-Visual Education 2	
	Ed. 350	Educational Psychology 3	
B.	GENERAL EDUCATION		43
	English		
	Eng. 101	English I 3	
	Eng. 103	Speech 2	
		or	
	Eng. 102	English II 3	
	Eng. 104	Reading 2	
	Eng. 221	Literature I 3	
	Eng. 222	Literature II 3	
	Fine Arts		
	Art 101	Fine Arts 3	
	Mus. 220	Fine Arts 3	
	Geography		
	Geog. 101	World Geography 3	
	Geog. 202	Geography of the United States and Canada 3	

*Bulletin 644, 1950; Rules and Regulations for Applicants for Admission to Examination for Licensure to Practice Dentistry and Dental Hygiene and Examination Procedures.

Social Studies

		Semester Hours
Hist. 201	History of Civilization I	3
Hist. 202	History of Civilization II	3
Pol. Sci. 431	American Government	3
Ec. 331	Economics	3
Hist. 311 or Hist. 312	History of the United States and Pennsylvania I or II	3
Soc. 331	Sociology	3

C. ELECTIVES 10

Total..... 64

Electives may be chosen with the approval of the Dean of Instruction from any academic field or curriculum offered at the College.

In each category, above credit will be given for equivalent courses pursued in the two year Dental Hygiene Curriculum. In such cases students must increase their electives by the number of semester hours so credited.

In the case of dental hygienists who had less than two years of specialized training on the basis of which they were licensed to practice dental hygiene, proportional credit will be given. Such persons must pursue additional general education courses in college to make up the deficiency.

Application for Admission

A dental hygienist who desires to enroll in the Degree Curriculum for Dental Hygienists should write for application blanks and information to the Director of Admissions, West Chester State College, West Chester, Pa.

Resident Requirements

The last 30 semester hours of credits must be earned at West Chester State College. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus or approved by the college administration.

SUMMARY OF COSTS PER YEAR

For Students Enrolled in the Degree Curriculum for Dental Hygienists

I. Full-time Students who are legal residents of Pennsylvania*

A. Boarding at the College

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
Room and board	576.00
	$891.00

B. Day Students—Living at Home

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
	$315.00

II. Part-time Campus Students and Off-Campus Extension Students

Pennsylvania residents taking six or less semester hours shall pay at the rate of $11. per semester hour (minimum basic fee, $33.). Students taking more than six hours shall pay the regular basic fee.

Students who are not residents of Pennsylvania who take six or less semester hours shall pay at the rate of $15. per semester hour (minimum basic fee, $45.).

III. Dental Hygienists are required to pay $4.00 class dues during the year in which they will graduate. This does not include the College yearbook which may be secured by special arrangement.

Fees are subject to change without notice.

For costs during summer sessions, see page 184 or the Summer Sessions Bulletin.

*Students who are *not* legal residents of Pennsylvania must pay an out-of state tuition fee of $336.00 per year in addition to the fees listed.

6. DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSES

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements:

1. The satisfactory completion of a three-year curriculum in an approved school of nursing and registration by the State Board of Examiners for the Registration of Nurses of Pennsylvania.

2. The satisfactory completion of forty-five (45) semester hours of additional preparation distributed as follows:

A. COURSES RELATED TO PUBLIC NURSING

		Semester Hours
PSN 300	Public School Nursing	2
PSN 301	Public School Organization	2
PSN 302	Public Health Nursing I	3
PSN 303	Public Health Nursing II	3
PSN 304	Nutrition and Community Health.	2
PSN 305	Family Case Work	3
	Total	15

B. GENERAL AND PROFESSIONAL EDUCATION

Hist. 311	History of the United States and Pennsylvania I (3)	
	or	
Hist. 312	History of the United States and Pennsylvania II (3)	3
Eng. 101	English I	3
Eng. 103	Speech	2
	or	
Eng. 102	English II	3
Eng. 104	Reading	2
Eng. 221	Literature I	
	or	
Eng. 222	Literature II	3
Hist. 201	History of Civilization I	
	or	
Hist. 202	History of Civilization II	3
Pol. Sci. 431	American Government	3
Ed. 100	Professional Orientation	3
Ed. 300	Audio-Visual Education	2
Ed. 350	Educational Psychology	3
	Total	25

C. ELECTIVES 5

Grand Total..... 45

Electives may be chosen with the approval of the Dean of Instruction from any academic field or curriculum offered at the College.

In the case of nurses with less than three years preparation for registration, such persons will pursue additional courses to meet the requirements for the degree.

Application for Admission

A registered nurse who desires to enroll in the Degree Curriculum for Public School Nurses should write for application blanks and information to the Director of Admissions, West Chester State College, West Chester, Pa.

Resident Requirements

The last 30 semester hours of credits must be earned at West Chester State College, to qualify for graduation. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus or approved by the college administration.

SUMMARY OF COSTS PER YEAR

For Students Enrolled in the Degree Curriculum for Public School Nurses

I. Full-time Students who are legal residents of Pennsylvania*

A. Boarding at the College

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
Room and board	576.00
	$891.00

B. Day Students—Living at Home

Basic Fee	$200.00
Activity Fee	35.00
Books and Supplies (approximately)	80.00
	$315.00

*Students who are *not* legal residents of Pennsylvania must pay an out-of-state tuition fee of $336.00 per year in addition to the fees listed.

II. Part-time Campus Students and Off-Campus Extension Students

Pennsylvania residents taking six or less semester hours shall pay at the rate of $11, per semester hour (minimum basic fee — $33.). Students taking more than six hours shall pay the regular Basic Fee.

Students who are not residents of Pennsylvania who take six or less semester hours shall pay at the rate of $15. per semester hour (minimum basic fee, $45.).

III. Public School Nurses are required to pay $4.00 class dues during the year in which they will graduate. This does not include the College yearbook which may be secured by special arrangement.

Fees are subject to change without notice.

For costs during summer sessions, see page 184 or the Summer Sessions Bulletin.

CERTIFICATION OF TEACHERS

School Laws of Pennsylvania, Section 1202.
State Certificates.

State certificates shall be issued as herein provided. Each such certificate shall set forth the branches which its holder is entitled to teach. No teacher shall teach, in any public school, any branch which he has not been properly certificated to teach.

A certificate to teach shall not be granted or issued to any person not a citizen of the United States, except in the case of exchange teachers not permanently employed and teachers employed for the purpose of teaching foreign languages.

Provisional College Certificate

A student who satisfactorily completes one of the curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him upon application to the Department of Public Instruction, Harrisburg, Pa.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereon in the secondary schools of Pennsylvania for three years.

In health education and music education the certificate qualifies the holder to teach and supervise the special subject in both elementary and secondary schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of the Commonwealth of Pennsylvania under the Provisional College Certificate and the satisfactory completion of twelve semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. It is recommended that

one-half of the additional work be professional in character and the remainder be related to the subject or subject fields on the certificate. This certificate is then a permanent license to teach in Pennsylvania.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by completing thirty semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching. At least one course in the teaching of each of the following must be included: art, music, and health.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting all the standards required for the original issue of a Secondary certificate.

A student who has qualified for an elementary certificate will have completed the required Professional Orientation, Educational Psychology, and certain academic credits. Additional work will be required to meet the following standards:

a. Eighteen semester hours of approved academic work in each subject to be written on the certificate;

b. Secondary Education—six semester hours;

c. Student Teaching on the Secondary level—six semester hours.

3. A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed eighteen semester hours of approved education in each subject to be added to the certificate.

Certification in Other States

Concerning the requirements for certification for teaching in other states, the Dean of Instruction should be consulted.

Teachers in Service

Entrance and college credits based on teaching experience have not been granted since September 1, 1927.

Credit for student teaching other than that done under the direction of the College will not be allowed.

Credit toward entrance or toward graduation with a degree will not be allowed for experience in teaching.

DESCRIPTION OF COURSES BY DEPARTMENTS

Not all of the courses listed will be offered in any one semester or year. Whenever the demand warrants the giving of a course, an effort will be made to schedule it. Courses will be offered each semester unless otherwise indicated.

ART DEPARTMENT

MR. HALLMAN, *Chairman of the Department*

Mr. McKinney, Miss Simmendinger.

Art 101. Fine Arts *3 semester hours*

This course deals essentially with the history and appreciation of the Fine Arts—painting, sculpture, and architecture. Man's artistic expression from the earliest times to the present, including modern developments in the minor arts, are also surveyed. Both semesters and summer.

Art 201. Arts and Crafts *3 semester hours*

A course providing opportunity for creative activity in the arts and crafts. Special emphasis given to camp, playground, or recreational needs. Both semesters and summer.

Art 202. Art for the Elementary Grades *2 semester hours*

Provides opportunity for the student to develop his powers of self-expression; to have experience in the use of the fundamental elements and principles of art structure as they relate to two-dimensional expression, e.g., in the use of chalk, crayon, paint, etc.; to discover the relationship between his creative experiences and the art program for the elementary school; to provide a basis for an understanding and evaluation of children's work. Fall semester.

Art 203. Teaching Art in the Elementary Grades
3 semester hours

A continuation of Art for the Elementary Grades providing art experiences involving the use of a variety of manipulative materials and activities concerned with structural and decorative design. Included are the designing and creation of objects using materials such as clay, paper, wood, cardboard, etc., into functional attractive articles. Here, also, emphasis is put on understanding the art program of the elementary school. Spring semester.

Art 301. Problems in Art Education *3 semester hours*

An advanced course designed to develop a basic understanding of the implications of art as an integral part of general education, and to provide opportunity to develop a complete program of art in a school situation. It is intended to aid the elementary teacher to provide better instruction in art with or without the aid of a supervisor of art. Prerequisites: Art for the Elementary Grades and Teaching Art in Elementary Grades. Fall semester and summer session.

Art 302. Creative Art *3 semester hours*

An elective course which aims to develop expression in drawing, painting, or other art activity. Activities arranged with regard to the individual interests of the student. No prerequisites. Spring semester.

EDUCATION DEPARTMENT

DR. BENDA, *Chairman of the Department*

Dr. Bonder, Dr. Evans, Mr. Patterson, Mr. Childers, Dr. Woodlen, Mrs. Martin, Mrs. Haas, Dr. Gregg, Dr. Weagley, Dr. Hill, Miss King, Dr. Bannon, Mr. Studenmund, Mr. Strayer, Mr. Emery, Dr. Micken

Ed. 100. Professional Orientation *3 semester hours*

An orientation and guidance course acquainting prospective teachers with the opportunities and requirements of the profession; the relationship of the school to society; the organization

and administration of the American school system. Extensive directed observation of various schools and learning situations will be required. Both semesters and summer session.

Ed. 250. General Psychology *3 semester hours*

A comprehensive study of the origins, motives, and modifications of human behavior with emphasis on the scientific approach in analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing human living. Attention is given to the simpler techniques in psychological experimentation. Both semesters and summer session.

Ed. 300. Audio-Visual Education *2 semester hours*

Consideration of the need for sensory techniques and materials in the learning process with attention given to the psychological principles involved. Acquaintance with and achievement of skills in specific techniques, materials, and equipment. Activities will include actual production of materials for classroom use and participation in their use. Both semesters and summer session.

Ed. 301. Pre-School Education *3 semester hours*

Study of pre-school and kindergarten children, of nursery school and kindergarten programs, materials, equipment and procedures, records and reports. Laboratory school experiences supplement reading and discussion of acceptable standards and teaching practices. Fall semester and summer session.

Ed. 302. Problems of Secondary Education Including Guidance *3 semester hours*

This course is designed to acquaint students, who are preparing to teach on the secondary level, with the basic problems and responsibilities found within the framework of a secondary school. The course includes some phase of guidance. Consideration is given to the essentials and principals of a guidance program and the role the teacher is expected to play within the overall guidance organization. Both semesters.

Ed. 303. Creative Activities in the Elementary School
3 semester hours

Consideration of the guidance of children in creative learning and expression. Emphasis upon the child's needs to discover creative interest and upon the development of skills and refinements of taste needed for rich experience in art, music, and literature. Spring semester and summer session.

Ed. 306 Introduction to Guidance and Counselling
3 semester hours

A study of the techniques for analyzing the interests, aptitudes, and abilities of children and the methods for guiding them in making sound vocational choices.

Information will be gathered and studies made regarding a wide variety of occupational and professional areas. Fall semester and summer session.

Ed. 307 Diagnostic and Remedial Reading *3 semester hours*

Recent research in the field of reading to acquaint students with problems and needs common to incompetent readers and with the most successful materials and techniques for dealing with such problems. Demonstration and practice in testing, planning, and directing remedial programs with groups and individuals. Prerequisite: Teaching of Reading. Spring semester and summer session.

Ed. 309. Language Arts *9 semester hours*

Preparation of teachers for the development of the child's abilities in oral and written communication. Provides knowledge of the nature of reading processes and materials of instruction. Essential techniques and materials of language, including handwriting and spelling, to teach the child knowledge and skills in the fundamentals of oral and written communications. Children's Literature is explored to acquaint the prospective teacher with appropriate materials. Both semesters.

Ed. 310. School and Community *3 semester hours*

Study of group and intergroup activities and the role of the individual in the group; of community interests, needs,

resources and problems; of teacher responsibility in community activities; professional, social, civic, religious, and political. Student participation in community activities is stressed. Spring semester and summer session.

Ed. 317. Teaching of Language Arts *3 semester hours*

Survey of the content of the curriculum in English in the elementary grades; methods of teaching oral and written composition, principles of grammar, poetry, and literature. The teaching of handwriting is part of this course. Both semesters and summer session.

Ed. 318. Reading in the Secondary School *3 semester hours*

A basic course for teachers of reading on the secondary school level. Special help is given in the basic reading and study skills and the techniques for improving rate and comprehension. The course is planned to help the teacher provide a developmental reading program with respect to content subject matter. Prerequisites: Educational Psychology. Summer session only.

Ed. 319. Teaching of Reading *3 semester hours*

Scientific aspects of reading and problems in the teaching of reading in all elementary grades. Presentation in theory and practice, from careful examination of research and from observation. Opportunity for the student to acquaint himself with a variety of modern reading materials and with approved techniques in their use. Problems of disability and their treatment. Both semesters and summer session.

Ed. 320. Social Studies and Geography *3 semester hours*

A course designed to acquaint students with up-to-date methods of teaching social studies and geography as an integrated program in the new elementary curriculum. It is a survey of methods and techniques, stressing the profitable use of community affairs and resources, and the development of good civic attitudes in social living. It considers techniques in the use of maps, specimens, pictures, and other tools of learning which are of special value in social studies and

geography. The course gives actual experience in the analysis of current events, the organization of projects and field trips, and the development of units of work with respect to the various grade levels in the elementary school. Both semesters and summer session.

Ed. 330. Teaching the Exceptional Child *3 semester hours*

The study of atypical children who need help in order to adjust and succeed to the extent of their capacity. Students are guided in recognizing, understanding and dealing with the additional needs of the physically or mentally handicapped child and the superior child, and in fostering their social and emotional development. Attention is directed to the selection of learning aids and materials and the adaptation of teaching techniques in the normal classroom situtation. Pre-requisite: General Psychology. Both semesters and summer session.

Ed. 350. Educational Psychology *3 semester hours*

The nature of the learning process with emphasis on the application of the principles of psychology to the problems of learning and teaching. An important aspect of the course is the study of actual classroom problems and procedures by observation of regular work and by special illustrative demonstrations in the laboratory school. Prerequisite: General Psychology. Both semesters and summer session.

Ed. 351. Human Development (Childhood) *3 semester hours*

Three main strands comprise this course: methods of studying children and observation of children in various situations; aspects of growth in childhood (physical, mental, emotional, and social) and their inter-relationship; and characteristic development and behavior at various age levels from birth to adolescence. Both semesters and summer sessions.

Ed. 352 Human Development (Adolescence) *3 semester hours*

This course is concerned with a practical understanding of personality development, maturation, and problems of the adolescent. Attention is given to the inter-relationship of physical, emotional, and social growth within the context of

such social institutions as the home, school, and community. Prerequisite: General Psychology. Fall semester and summer session.

Ed. 353. Child Adjustment *3 semester hours*

Application of the principles of mental hygiene to the problems of elementary school children in home, school and community. Emphasis is directed toward an understanding of the causative factors in children's behavior, an intensive study of emotional development, and a critical analysis of typical classroom situations. Fall semester and summer session.

Ed. 370. Mental Hygiene *3 semester hours*

This course attempts to analyze the individual from several standpoints according to the principles of mental hygiene. The practical phase of the course is the application of these principles to the individual's problems of adjustment to the school and society. Field trips are also included in the course content. Fall semester and summer session.

Ed. 380. Ethics *3 semester hours*

The course in ethics is concerned with the development of principles of right conduct and practical systems of social morality. It has to do with the human values and the development of moral standards both for the individual and society. Basically it seeks answers to such moral problems as the following: What conduct shall we choose and from what shall we refrain? What shall we fight for and what against? The methods used will involve lectures discussions, readings, and reports. Spring semester and summer session.

Ed. 400. Professional Practicum Including School Law *2 semester hours*

Methods and practices of teaching; general techniques of teaching and techniques for the students' special fields; Pennsylvania school laws relevant to the work of the classroom teacher; problems encountered by the students in their student teaching. Both semesters and summer session.

Ed. 401. Problems of Elementary Education

3 semester hours

This course deals with the educative process as a functional relationship between the learner and his environment aided by organized learning situations. An attempt is made to draw together all the methods in terms of basic curriculum principles for the modern elementary school. The prospective teacher is introduced to the scope of the teacher's day-to-day responsibilities and helped to develop insight into how these responsibilities can be carried out effectively. Fall semester.

Ed. 410. Student Teaching and Direction of Student Activities *12 semester hours*

Observation and participation in all teaching and activities related to the performance of a teacher's work, in the area of the student's specialization. Both semesters and summer session.

Ed. 441W. Workshop in Elementary Education

4 semester hours

A course designed for college graduates and teachers-in-service. Newer ideas and practices in teaching are evaluated. Materials of instruction and courses of study are examined. Opportunity is given enrollees to work on individual and group problems. Children are observed in the Campus Demonstration School. Course is offered in the regular summer session only.

Ed. 451. Tests and Measurements in Guidance

3 semester hours

A survey of testing materials and procedures with emphasis on the interpretation and application of results for pupil guidance purposes. Areas studied will include examination of various types of testing materials, critera for selection, techniques for summarizing data, organization, administration, and evaluation of the testing program. Pre-requisite: General Psychology. Spring semester and summer session.

Ed. 480. Introduction to Philosophy *3 semester hours*

This course is divided into three distinct categories: (1) a discussion of the meanings and implications of the outstanding

philosophies, (2) a comparative analysis of the corresponding works of philosophers, and (3) a discussion of the relation between philosophy and modern life with the ultimate aim that each student will develop a personal overall philosophy. Both semesters.

ENGLISH AND FOREIGN LANGUAGE DEPARTMENT

DR. SLAGLE, *Chairman of the Department*

Miss Tyson, Miss Ramsey, Mr. Thomas*, Dr. Berry, Mr. Clokey, Dr. Binney, Mr. Landrum, Mrs. Faucett, Dr. Bailey, Mr. McEntire, Dr. Roberts, Mrs. Turner, Mr. Henry**, Mrs. Schmidt.**

Eng. 101-103. Communication I *5 semester hours*

A study of communication providing both vicarious and direct development of abilities for personal expression. Extensive practice in reading, speaking, and writing in the language and form appropriate to social and professional situations, and instruction in the use of formal and informal discussion techniques. Library usage, taught by a member of the library staff, to orient the student to the resources and use of the college library. Both semesters.

Eng. 102-104. Communication II *5 semester hours*

A second semester's work in communication, including the refinement and extension of skills and techniques of Communication I, with special emphasis on the basic reading and writing skills appropriate to the various fields of learning. Prerequisite: Communication I. Both semesters.

English Composition

Eng. 101. English I—Grammar *3 semester hours*

Review of grammar in detail, analysis of construction, functional practice in mechanics of English; vocabulary study and spelling. The writing and analysis of brief compositions

*Leave of absence, Spring, 1960
**Spring semester 1960

for structural faults and errors in diction. Library Usuage, a separate unit in addition to English I—an introduction to the use of the library—taught by a member of the college library staff. Both semesters and summer session.

Eng. 102. English II—Composition *3 semester hours*

Study and application of the laws of composition; methods and types of exposition; description and narration; paragraph and theme writing; analysis of literary samples; book reviewing; outlining; detailed study of techniques of research and the writing of an original research paper. Continued functional practice in mechanics. Prerequisite: English I. Both semesters and summer session.

Eng. 103. Speech *2 semester hours*

Study and application of fundamental principles of effective speaking; training in selection, organization, and development of material suitable for speeches; analysis of voice; emphasis on personality adjustment as related to speaking-listening situations; and vocabulary building. Special emphasis also given to group discussion and parliamentary procedures. Both semesters.

Eng. 104. Reading *2 semester hours*

Emphasis upon improvement of general reading with special consideration upon choosing central ideas and upon directive and comprehensive aspects of silent and oral reading. Both semesters.

Eng. 211. Journalism *3 semester hours*

The organization, management, and supervision of the content of school publications; the preparation of school publicity materials and the development of journalistic style through practical participation in journalistic activities. Fall semester.

Eng. 312. Advanced Composition *3 semester hours*

Advanced experience in writing through the preparation of reviews, digests, and critical reports, employing expository, descriptive, and argumentative techniques. Spring semester of odd years.

Eng. 313. Creative Writing *3 semester hours*

An advanced course for students of marked ability in the creative processes of writing. The development of creative ability, the improvement of the student's own style, and the furnishing of methods and materials for the teaching of composition in the secondary schools. Fall semester of even years.

Eng. 314. English Philology and Grammar

3 semester hours

A course introducing students to the historical study of the development of modern English and the discernible trends in language today through the use of exercises in phonetics, etymology, and dictionary usage. Fall semester.

Eng. 315. Teaching English in Secondary Schools

3 semester hours

A review of the content of language-arts requirements of the secondary school, with special reference to grade-placement with adaptation of materials, appraisal of results, and the development of programs of study. Spring semester.

Literature

Eng. 221. General Literature I *3 semester hours*

An introduction to literature providing opportunities for intensive reading in a wide variety of literary figures. The purpose is to familiarize students with the development of human thought as it has been expressed in Western literature from Homer to Shakespeare. Fall semester.

Eng. 222. General Literature II *3 semester hours*

Milton to the present. Spring semester.

Eng. 223. American Literature *3 semester hours*

A survey of representative American writings from Colonial times to the present, particular attention being given those writings which best exemplify democratic ideals and national character. Both semesters.

Eng. 224. English Literature I *3 semester hours*

English literature surveyed from Anglo-Saxon times to Robert Burns, with emphasis on recognized major works. Two basic aims: (1) to develop broader knowledge of the growth of English Literature and its relation to historical movements, and(2) to provide wide reading for more intelligent appreciation. Fall semester.

Eng. 225. English Literature II *3 semester hours*

English literature surveyed from Robert Burns to the present. Spring semester.

Eng. 326. American Poetry *3 semester hours*

An examination of the nature, form, and function of verse as exemplified by representative American poets, with particular reference to social backgrounds and national ideals. Fall semester of even years.

Eng. 327. American Prose *3 semester hours*

A study of the development of national ideals as expressed by representative prose masterpieces, with extensive critical reading in current periodicals as well as intensive study of great works of the past. Spring semester of even years.

Eng. 328. Children's Literature *3 semester hours*

An introduction to important children's books, old and new, and to techniques for presentation of book material, the encouragement of wide reading of juvenile literature and provision of critera for and experience in the evaluation of children's books. Both semesters.

Eng. 331. Pre-Shakespearean Literature *3 semester hours*

A study of the cultural background of the English-speaking race, its folk-ways, legends, balladry, and history, particularly, as reflected in *Beowulf,* the Arthurian cycle, Chaucer, and Spenser. Fall semester of odd years.

Eng. 332. Shakespeare *3 semester hours*

A study of selected comedies, tragedies, and histories, by Shakespeare, together with the social, historical, and literary background necessary for their full appreciation. Particular reference to those plays most frequently included in secondary school curricula. Spring semester of odd years.

Eng. 333. Eighteenth Century Literature *3 semester hours*

A critical consideration of significant eighteenth-century writers with emphasis upon the struggle between tradition and revolt as reflected in the works of the representative writers of the period. Fall semester of odd years.

Eng. 334. The Romantic Movement *3 semester hours*

A study of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and biographical and critical doctrine. Fall semester of even years.

Eng. 335. Victorian Literature *3 semester hours*

A study of Victorian culture as the reflection of conflict and compromise through its interpretations by poets and essayists of the period with particular reference to the writing of Ruskin, Newman, Mill, Huxley, Arnold, Tennyson, and Browning. Spring semester of even years.

Eng. 341. The Novel to 1870 *3 semester hours*

A study of the rise and development of the novel in English from its predecessors of the eighteenth century to Hardy and Mark Twain. The reading of a selected list of novels for analysis with a view to cultivating an appreciation of this dominant literary form. Spring semester of odd years.

Eng. 342. Contemporary Novel *3 semester hours*

A study of modern and contemporary movements in fiction, based on the critical reading and analysis of English and American novels published since 1870. Fall semester of even years.

Eng. 343. Contemporary Poetry *3 semester hours*

An examination of representative poetry published since 1870 in both England and America and a study of forms, aspects, and tendencies in contemporary verse, with particular reference to poetry as a criticism of modern life. Fall semester of odd years.

Eng. 344. Modern Drama *3 semester hours*

A comprehensive view of the best dramatic literature of modern European, American, and British theatre since 1890 presented through lectures, discussions, and experiences related to the contemporary stage. Spring semester of even years.

Eng. 345. Criticism *3 semester hours*

An historical study of literary criticism and aesthetic theory, with emphasis upon romanticism and classicism of critical canon. Fall semester of odd years.

Eng. 346. Essay *3 semester hours*

A study of the history and development of the essay as a distinctive literary form, together with readings in current periodical non-fiction, and provision for opportunities for self-expression through writing. Spring semester of odd years.

Eng. 347. Literature of Biography *3 semester hours*

A study of the historical development of biographical writing with readings from Plutarch, Boswell, Carlyle, Macaulay, Strachey, Bradford, Ludwig, and standard contemporary biographers. Spring semester of even years.

Eng. 348. Short Story *3 semester hours*

A study of the development of the short story as a distinct and popular current literary form through its history and technique. The investigation of recent tendencies and the encouragement of wide reading in current periodicals. Spring semester of odd years.

Eng. 351. Play Production *3 semester hours*

A fundamental course in the theory and practice of acting and directing experiences designed to stimulate the cultural

and social development of the student and to aid the prospective teacher who will be called upon to produce plays. Text material in technique, reading and discussion of examples of dramatic literature, and laboratory practice in life study, pantomime, interpretation of lines, and the production of one-act plays. Fall semester of even years.

Eng. 352. Dramatics in the Elementary Grades *3 semester hours*

A course dealing with the techniques of dramatic-play, dramatization, and play production. Discussion of the educational principles underlying the choice of the form to be used with children in the kindergarten and elementary grades. Spring semester of even years.

Eng. 353. Speech Problems *3 semester hours*

A survey course introducing students to the various speech problems common to children in the public schools. Emphasis is placed upon the theory of the symptoms, cause, and remedial treatments used by the classroom teacher in improving the speech of all children. Both semesters.

Eng. 354. Choral Speaking *3 semester hours*

A course aiming, through the communal voicing of poetry, to stimulate appreciation, interpretation, and artistic expression of poetry; to demonstrate the educational and social value of unison speech; and to train choral leaders in the techniques of choir conducting and in the selection and treatment of materials. Spring semester of even years.

French

Fr. 101. Elementary French I *3 semester hours*

A study of the fundamentals of French grammar, syntax, and pronunciation. Introduction to French culture through easy reading texts. Fall semester.

Fr. 102. Elementary French II *3 semester hours*

A continuation of French 101 with increased emphasis on reading and conversation in French. Spring semester.

Fr. 103. French Composition *3 semester hours*

An intensive review of grammar and syntax. Selected readings in French literature to serve as a basis for class discussion in French and practice in composition. Pre-requisites: Fr. 101 and 102 or their equivalent. Fall semester.

Fr. 104. French Conversation *3 semester hours*

A continuation of French 103 with more extensive practice in composition and conversation. Spring semester.

Fr. 201. Survey of Literature I 3 semester hours

A study of the development of French literature and life from the earliest beginnings to the French Revolution. Pre-requisites: French 103 and 104 or their equivalent. Fall semester.

Fr. 202. Survey of Literature II *3 semester hours*

A study of the development of French literature and civilization from the French Revolution to the present. Pre-requisites: Fr. 103 and 104 or their equivalent. Spring semester.

Fr. 301. Advanced Language and Techniques *3 semester hours*

A review of the sounds of French through the application of the phonetic alphabet. An introduction to the problems, methods, and materials involved in the teaching of French. Pre-requisite: Fr. 103 and 104 or their equivalent. Fall semester.

Fr. 302. French Drama *3 semester hours*

A study of the masterpieces of Corneille, Moliere, and Racine. Pre-requisites: French 201. Spring semester.

Fr. 303. French Literature of the Nineteenth Century *3 semester hours*

A study of the development of the various literary movements of the nineteenth century as manifested in poetry, drama, and the novel. Pre-requisite: Fr. 202. Fall semester.

Fr. 401. French Novel *3 semester hours*

A reading and discussion in the native language of representative novels from the eighteenth, nineteenth, and twentieth centuries. Pre-requisites: French 202. Spring semester.

German

Ger. 101. Elementary German I *3 semester hours*

A study of the fundamentals of German grammar, syntax and pronunciation. Introduction to German culture through easy reading texts. Fall semester.

Ger. 102. Elementary German II *3 semester hours*

A continuation of German 101 with increased emphasis on reading and conversation in German. Spring semester.

Additional German courses will be offered contingent upon student enrollment.

Latin

To specialize in Latin, students must present not less than two years of secondary school Latin or Beginning Latin I and II and demonstrate competence to specialize in this field. Beginning Latin I and II will not be credited toward a Latin teaching field.

Lat. 101. Beginning Latin I *3 semester hours*

A course for students who have had no previous Latin, consisting of study of the fundamentals of syntax, of vocabulary building, and of sentence structure. The reading of easy Latin. The significance of Rome to our times through lectures and outside reading. No credit allowed until the completion of Beginning Latin II. Fall Semester.

Lat. 102. Beginning Latin II *3 semester hours*

A continuation of Beginning Latin I. The study of form, of syntax, and of vocabulary begun in the preceding semester. Caesar: Selections from the Gallic War. Reading in the Latin word order to repeat vocabulary, forms, and syntax. The use of many supplementary materials—pictures, slides, songs, and word derivations—in each course. A study of Roman mythology. Spring semester.

Campus View

Lat. 103. Ovid and Virgil *3 semester hours*

A course combining the study of Ovid with a review of mythology and including a study of the meter of Ovid and Virgil and Latin pronunciation. Poetical diction, rhetorical figures, and syntax. Study of the epic and elegy. Fall semester.

Lat. 104. Livy *3 semester hours*

Selections from the History. Syntax, standards of Latin prose literature, historical background of text. Spring semester.

Lat. 201. Cicero and Tacitus *3 semester hours*

A course based upon Cicero's "De Amicitia" and "De Senectute" and selections from Tacitus; a presentation of Roman philosophical systems, Roman religious customs, and Roman training for public life. Fall semester.

Lat. 202. Horace *3 semester hours*

Odes and Epodes: grammatical and rhetorical figures; advanced prosody. Lyric poetry in Latin literature. Spring semester.

Lat. 301. Plautus and Terence *3 semester hours*

Comedy in Latin Literature. Plautus: "Captivi"; Terence: "Phormio". Roman amusement, holidays and dress. Fall semester.

Lat. 302. Roman Civilization *3 semester hours*

A survey course concerning the development of Latin literature from its orgin, but placing emphasis only on those authors not previously read: Lucretius, Catullus, Martial, Tacitus, Juvenal, Pliny. A unit in methods consisting of a discussion of text books for high schools and the preparation of bibliographical material on the teaching of Latin. Spring semester.

Russian

Russ. 101. Elementary Russian I *3 semester hours*

A study of the fundamentals of Russian grammar, syntax, and pronunciation. Introduction to Russian culture through easy reading texts. Fall semester.

Russ. 102. Elementary Russian II *3 semester hours*

A continuation of Russian 101 with increased emphasis on reading and conversation in Russian. Spring semester.

Additional Russian courses will be offered contingent upon student enrollment.

Spanish

Sp. 101. Elementary Spanish I *3 semester hours*

A study of the fundamentals of Spanish grammar, syntax, and pronunciation. Introduction to Spanish culture through easy reading texts. Fall semester.

Sp. 102. Elementary Spanish II *3 semester hours*

A continuation of Spanish 101 with increased emphasis on reading and conversation in Spanish. Spring semester.

Additional Spanish courses will be offered contingent upon student enrollment.

GEOGRAPHY DEPARTMENT

DR. KEINARD, *Chairman of the Department*

Mr. Hawthorne, Dr. Langdon.

Geog. 101. World Geography *3 semester hours*

A course to develop a knowledge and appreciation of patterns of the natural environment throughout the world such as patterns of climate, soil, vegetation, and man's adjustment to them, with special emphasis upon man's economic cultural responses. Both semesters and summer session.

Geog. 102. Geography of the United States and Pennsylvania *3 semester hours*

A comprehensive treatment of the adjustment of the people of Pennsylvania and the United States to the physical factors — structure, relief, climate, vegetation, soils, and natural resources— which help to explain the distribution of population, land use, products, and trade within the United States and with other parts of the world. Prerequisite: World Geography. Spring semester and summer session.

Geog. 201. Conservation of Natural Resources *3 semester hours*

A course dealing with the present problems in the conservation of our natural resources of land, water, plant, animal life, and mineral deposits, ways of solving these problems, and the wise use of these resources. Spring semester.

Geog. 202. Geography of United States and Canada *3 semester hours*

A regional study of the United States and Canada relative to man's adjustments to his environment as determined by the physical factors of climate, vegetation, relief, and soils. Recognition of the political adjustments to the geographic environments and the interrelations between the two countries and the rest of the world. Prerequisite: World Geography. Fall semester.

Geog. 203. Economic Geography *3 semester hours*

Develops an understanding of world patterns of producing and consuming regions, population distribution, and world trade routes and the related natural factors. It also deals with the application of this information on securing a fundamental understanding of national and international problems. Spring semester and summer sessions.

Geog. 204. Geography of Pennsylvania *3 semester hours*

A regional study of Pennsylvania, emphasizing man's cultural and economic responses to environmental factors. Special attention is given to the resources of the state, analyzing

their extent, their use, and need for their conservation, and the regional planning program for the Commonwealth. Spring semester of even years.

Geog. 205. Physiography *3 semester hours*

A study of various land forms, soils, and minerals; their orgin, their changes, and their relation to man. Field trips are required. Prequisite: World Geography. Fall semester of even years and summer session.

Geog. 206. Meteorology *3 semester hours*

Meteorology is a study of the atmosphere. This course analyzes the laws and underlying principals of atmospheric changes. An opportunity is given for students to become familiar with common weather instruments, to read and interpret weather maps, to observe and record weather data, and discuss problems rising from the use of the atmosphere as a medium of travel and transportation. Prerequisite: World Geography. Spring semester of even years.

Geog. 207. Geography of Europe *3 semester hours*

A course which aims to help students acquire an ability to look for, find, and apply the geographic relationships underlying land uses, dominant international problems, and boundary disputes, thus enabling students to obtain an unbiased understanding of the economic problems of Europe. The Soviet Union is not included in this course. Prerequisite: World Geography. Spring semester.

Geog. 208. Geography of Latin America *3 semester hours*

A regional study is made of Middle and South America, emphasizing man's responses to environmental factors such as climate, landforms, resources and the like. Special emphasis is given to regional differences and similiarities. Latin American relations with other nations, especially with the United States, are stressed. Prerequisite: World Geography. Fall semester.

Geog. 209. The United States in Its Global Relationships *3 semester hours*

This course deals with the changing economic patterns within the United States that are developing to meet the new economic and strategic situations in the rest of the world. The geography of the United States will be analyzed in its world relations with emphasis on our interdependence with the world of nations, both politically and economically. Fall semester of odd years.

Geog. 210. Geographic Influences in American History *3 semester hours*

A study of the relationships of the natural geographic factors in the settlement, development and progress of the United States from the time of discovery to its present day position as a world power. Major emphasis is placed upon the United States although illustrations are drawn from various countries. Prerequisite: World Geography. Spring semester of odd years and summer session.

Geog. 301. Geology *3 semester hours*

A course dealing with landscapes in their relation to the structure of the earth's crust, and the work of earth forces and their effects on materials, structure, and physiography of the earth's surface features. Course work includes field work, study of rocks, minerals, and topographic maps. Field trips are required. Fall semester of odd years and summer session.

Geog. 302. Climatology *3 semester hours*

A course primarily concerned with the climatic regions of the earth, and the limitations and advantages they offer for man's occupancy. The course is a valuable aid to students in world problems. Prerequisite: World Geography. Spring semester of odd years.

Geog. 303. Cartography *3 semester hours*

A course designed primarily to enable the geography major to attain proficiency in the use and interpretation of maps, models, globes, cartograms,, and geographic diagrams. Selected

map projections approached from the geographical rather than the mathematical point of view. The history of maps, the development of signs, symbols, and map scales, the construction of projections, graphs, and diagrams, and the application of each of these to the teaching of geography. Prerequisite: World Geography. Fall semester.

Geog. 304. Geography of Asia *3 semester hours*

A course comprising a study of the major geographic regions of the Soviet Union, Southwestern Asia, and India. Special emphasis is placed on the natural resources and their use, the peoples—their number and distribution, their cultural and recent cultural changes, strategic areas, and related political problems. Fall semester of odd years.

Geog. 305. Geography of the Far East *3 semester hours*

A study of Japan, China, the Philippines, Southeastern Asia, an the East Indies and an intensive investigation of the natural factors and man's adjustment to them in the geographic, economic, and political regions of Eastern Asia. The geographic background needed in planning solutions for raising standards of living, for the wise use and restoration of natural resources, and the industrialization of countries is presented. Prerequisite: World Geography. Spring semester of odd years.

Geog. 306. Geography of Africa and Australia
3 semester hours

A regional study of Africa, Australia, and the neighboring islands showing the economic and social development of the regions of these lands and their relationship to the physical environment and the political affiliations of these lands with other countries. The geographic aspects of the problems of colonies, land tenure, race, future land use, and the strategic importance of Africa are considered. Prerequisite: World Geography. Spring semester of even years.

Geog. 307. Geography of the U.S.S.R. (Including Satellite Countries) *3 semester hours*

This course will include a study of both European and Asiatic U.S.S.R., with emphasis on the positive and negative

factors in the geography of that country in relation to its strength and weaknesses as a major world power. Fall semester and summer sessions.

Geog. 308. Trade and Transportation (Including Commercial Air Transportation) *3 semester hours*

A study of transportation routes, ports, railroad centers, hinterlands, and trade relations between production areas and countries.

It also covers the development of commercial aviation. Policies such as governmental agreements, subsidies, control and use of air bases, the importance of Polar regions, and the Great Circle air routes are considered. Prerequisite: World Geography. Fall semester of even years.

Geog. 309. World Problems in Geography *3 semester hours*

A course considering some of the world problems which need a geographic background for understanding and solving them. Attention is given to boundary questions, the value and control of colonies, fishery agreements, problems concerning commercial aviation, world trade, the feeding of the world, control and development of natural resources, the making of the peace, and similiar topics. Prequisite: World Geography. Fall semester of even years and summer session.

Geog. 310. Field Courses in Geography (as approved) *3 semester hours*

These courses, which involve the study of selected areas through the agency of travel and actual investigation, are arranged from time to time to suit the needs of the student groups. Prerequisite: World Geography. Pre-session of summer only.

Geog. 311. Teaching Geography in Secondary Schools *3 semester hours*

An intensive study of the modern techniques of teaching geography, geography materials, and current curricula in geography. Emphasis is placed upon the contribution of geography to

the solving of national and world problems; the skills, habits, and the attitudes to be gained from geography courses in the junior and senior high schools which aid in the development of world citizenship, the courses suitable for such groups, and the new books available at this level. Spring semester.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

DR. STURZBECKER, *Chairman of the Department*

Miss Schaub, Miss Leach, Miss Yanisch, Mr. Davis, Mr. Twardowski, Mr. Reese, Miss Reed, Mr. Mitten, Miss Coates, Dr. Cottrell, Mrs. Taylor, Mr. Cochran, Mr. Lorbach, Mr. Norris, Mrs. Cottrell, Miss Margerum, Mr. Miller, Dr. Swegan.

Physical Activity Courses

H.E. 121. Athletics I *1 semester hour*

MEN: Emphasis is placed on individual sports and recreational activities which include: tennis, golf, volleyball, softball, tetherball, table tennis, handball, winter sports.

WOMEN: Foundations course stressing fundamental skills in field hockey; individual skills, team tactics, and officiating techniques in volleyball. Fall semester.

H.E. 122. Athletics II *1 semester hour*

MEN: A continuation of individual sports and recreational activities which includes bait and fly casting, archery, badminton, and fundamentals of track and field and softball.

WOMEN: Foundations course stressing fundamental skills in basketball, individual skills, game tactics, and officiating techniques in tennis. Spring semester.

H.E. 221. Athletics III *1 semester hour*

MEN: The first half will concern soccer rules, fundamental skills, techniques, drills, offensive and defensive patterns and methods of coaching. The second half of this course will cover fundamental skills of wrestling, techniques, strategy, scoring, rules, and theory.

WOMEN: Advanced fundamentals and team tactics in field hockey; fundamental skills, game tactics, and officiating techniques in badminton. Fall semester.

H.E. 222. Athletics IV *1 semester hour*

MEN: Basketball instruction in individual offensive and defensive fundamentals, drills and warm-up procedures, development of team play, various types of offenses and defenses, and specific coaching methods. In addition, instruction in basketball fundamentals and their relationship to offensive and and defensive team play. Students will also study the rules, techniques, and procedures used in officiating basketball. Baseball is also given which includes the fundamentals, strategy, and theory of coaching.

WOMEN: Advanced fundamentals and team tactics in basketball; fundamental skills, team tactics, and officiating techniques in lacrosse. Spring semester.

H.E. 321. Athletics V *1 semester hour*

MEN: A theoretical and practical approach to the many phases of football including individual fundamentals, developing an offense, various defenses, the passing and kicking game. A comprehensive study of rules, techniques and procedures associated with football officiating.

WOMEN: Methods of teaching, officiating techniques, and practical experience in field hockey and basketball. Fall semester.

H.E. 322. Athletics VI *1 semester hour*

MEN: Principals of organization, adminstration, and supervision of intra-mural and secondary school athletic programs. Instruction to include facilities and equipment, routine procedures, budget and finance, legal liability, scheduling and public relations.

WOMEN: Development of individual skills in archery and golf; fundamental skills, team tactics, and officiating techniques in softball; fundamental skills in track and field events, methods and procedures for conducting meets. Spring semester.

H.E. 111 Gymnastics I *1 semester hour*

MEN: An introductory course in fundamentals of marching, gymnastic exercise, and games.

WOMEN: Motor ability tests, soccer, speedball. An introductory course of calisthenics and marching tactics, games. Fall semester.

H.E. 112. Gymnastics II *1 semester hour*

MEN: An introduction to elementary heavy apparatus, stunts, and tumbling.

WOMEN: Apparatus for beginners, application of playground apparatus, stunts, tumbling, and pyramids for different age levels in elementary school. Spring semester.

H.E. 211. Gymnastics III *1 semester hour*

MEN: Preparation for teaching of elementary physical education: singing games, story plays, self testing activities, teaching of elementary games; a unit on playground apparatus and specific stunts on apparatus and tumbling.

WOMEN: Teaching of calisthenics and marching tactics, advanced apparatus and tumbling. Fall semester.

H.E. 212. Gymnastics IV *1 semester hour*

MEN: Practice in advanced apparatus, stunts and tumbling.

WOMEN: Physical education activities for the elementary school, games, relays, sidewalk activities, story plays, singing games, methods of teaching. Spring semester.

H.E. 311. Gymnastics V *1 semester hour*

MEN: Preparation for teaching of secondary physical education programs; voice training, class practice teaching of marching gymnastic exercises, development of activity lesson plan.

WOMEN: Rhythmical exercises with and without hand apparatus, planning and executing special events such as May Days, Festivals, Sports Days, Assembly Programs, Field Days. Fall semester.

H.E. 312. Gymnastics VI *1 semester hour*

MEN: Special forms of gymnastic activities including rhythmical exercises, trampoline, elephant vaulting, combinations on apparatus, and a unit on pageants, exhibitions, and demonstrations.

WOMEN: Building the physical education program, grades 1-12—content appropriate to each grade level, progression, seasonal units, activity units, lesson plans, voice training. Games, including recreational games at the secondary level, methods of teaching. Spring semester.

H.E. 241. Dancing I *1 semester hour*

A study of the place of dancing and rhythmical activities in the school physical education program with particular emphasis on clog, tap, and elementary folk dancing. The course includes a study of the fundamentals of movement, music, and and rhythm and their relationship to each other; child rhythms, and folk dances suitable for elementary school children; suggested teaching methods. Fall semester.

H.E. 242. Dancing II *1 semester hour*

Co-recreational activities will be emphasized in this course which includes square and country dancing, advanced folk and social dancing. In addition to the development of personal skills, the course also incorporates methods of teaching and source materials for dance programs. Spring semester.

H.E. 131. Aquatics I *1 semester hour*

MEN: Diagnosis, study and practice of the basic swimming strokes; introduction to diving and competitive swimming; study of speed swimming strokes, racing starts, turns, and relay races; floating and endurance swimming; aquatic games, races, stunts, and exhibitions; introduction to recreational aquatics and synchronized swimming formation.

WOMEN: Instruction in the nine basic styles of swimming and elementary diving; methods of teaching the various classifications of swimmers; pool maintenance and sanitation; aquatic activities such as water games, synchronized swimming, and officiating techniques. Fall semester.

H.E. 132. Aquatics II *1 semester hour*

MEN: The philosophy of life saving and the responsibility of guarding the lives of bathers and swimmers; diagnosis, study, and practice of the life saving skills and techniques; discussion of floating supports, canoeing, boating, use of the paddle board, and planning and supervision of waterfront activities in recreation programs. Successful completion of this course will enable the student to receive senior life saving certification by the American National Red Cross.

WOMEN: Continued instruction and perfection of the nine basic styles of swimming; experience in teaching elementary swimming strokes; senior life saving instruction. Successful completion of this course will enable the student to receive senior life saving certification by the American National Red Cross. Spring semester.

Health Education Courses

H.E. 151. Hygiene *3 semester hours*

This course is designed to help students to acquire a background of scientific health knowledge and develop an interest in modern scientific developments in the field of personal and public health; to establish high standards of personal living and develop desirable attitudes toward healthful living through the study of principles and practice of personal hygiene and to realize that personal health, child welfare, and public health are the responsibility of every citizen. Both semesters.

H.E. 261. History of Physical Education *2 semester hours*

A study of the changing conceptions of physical education of many past ages and cultures so as to provide a foundation for the philosophy, principals, curriculum, organization and administration, methods, and trends of modern physical education. Spring semester.

Anatomy and Physiology I and II
(See Biol. 261 and 262) Both semesters *6 semester hours*

H.E. 350. First Aid *2 semester hours*

Basic instruction will center around the American Red Cross standard and advanced course of study of first aid. Selected students may also have an opportunity to receive the American Red Cross First Aid Instructor's Certificate. As a supplement to these areas of concentration there will be a brief review of human kinesiology as it pertains to the prevention and cure of athletic injuries. Fall semester.

H.E. 351. Human Development *3 semester hours*

Designed to help students understand growth from birth through adolescence, this course includes methods of studying pupils, influences on growth, and characteristic development at various age levels. Implications for the health and physical education program are stressed throughout. Both semesters.

H.E. 352. Methods and Materials in Health Education *3 semester hours*

A comprehensive study of school health services, healthful school environment, and school health instruction. The major emphasis is on the teaching of health, including the latest methods and materials, and the construction of lesson plans, units, and other teaching aids. Students will complete their files of curriculum materials and instructional aids as a pre-requisite for student teaching. Spring semester.

H.E. 361. Tests, Measurements and Guidance in Health and Physical Education *3 semester hours*

Experience in selecting, administering, scoring, and evaluating physical activity tests of physical fitness, general motor ability, motor educability, and skill and knowledge in sports. Competency in the use of elementary statistical procedures of objective learning and testing. Pre-requisite: Educational Psychology. Fall semester.

H.E. 362. Physical Education for the Elementary Grades *3 semester hours*

The students will be assigned to elementary schools in the service area for observation and teaching in physical education.

This will involve all the games and relays, self testing activities, rhythms and dances suitable for the growth and developmental needs of the elementary school child. A weekly seminar will be held to discuss the theory and problems involved in elementary physical education. Both semesters.

H.E. 363. Applied Physiology *2 semester hours*

A functional course applying physiological principles of neuromuscular activity to the frame of reference of the physical educator. A clinical approach will be taken to acquaint the student with basic aspects of theories of neuromuscular coordination and motor learning, strength development, endurance, and the analysis of human motion. Pre-requisites: Human Anatomy and Physiology I and II. Fall semester.

H.E. 364. Organization and Administration of Physical Education *3 semester hours*

Principals of program building in physical education and athletics, curricular and extra-curricular; facilities and equipment, routine procedures, budget and finance, legal liability, and public relations. Pre-requisite: Tests, Measurements and Guidance in Health and Physical Education. Spring semester.

H.E. 365. Physical Activities for Atypical Children I *2 semester hours*

A course presenting to the student a method of teaching which will motivate the atypical student to improve not only his physical condition, but also his outlook on life. This course deals with the sport phase of the education of the handicapped through the use of adapted sports programs. Both semesters.

H.E. 461. Physical Activities for Atypical Children II *2 semester hours*

A course concerned with the modern concepts of the therapeutic exercise phase of physical education in the prevention and correction of common handicapping conditions. The student is furnished with adequate information and guidance for giving the handicapped individual the proper type and amount of physical education to meet his needs and capacity. Both semesters.

H.E. 462. Principles of Recreation *2 semester hours*

Historical background of the present play movement; theoretical explanations of play; the need for play in modern life and its place in education and recreation; the fundamental principles and methods of recreation leadership. Both semesters.

H.E. 463. Principles of Coaching *3 semester hours*

Principles and methods of coaching sports in the school program; problems of the coach with regard to psychology of handling a team, training, motivation, and schedule planning; bridging the gap between knowing how to play and the functions of coaching. Both semesters.

H.E. 471. Student Teaching and Direction of Student Activities *12 semester hours*

Observation and participation in teaching situations in the junior and senior high school under qualified cooperating teachers. Professional conferences and visitations are provided throughout this teaching semester which may be taken in the fall or spring term of the academic year depending upon administrative planning. Both semesters.

H.E. 472. Professional Practicum Including School Law *2 semester hours*

Accompanying student teaching an undergraduate seminar will be required. This will include a study of problems met in the teaching semester and review of those sections of the Pennsylvania School Law pertinent to teaching activities in the major field. Both semesters.

ELECTIVE COURSES

ELECTIVES IN "EDUCATION FOR SAFE LIVING" (HIGHWAY SAFETY AND GENERAL SAFETY EDUCATION)

H.E. 481. Introduction to Safety Education *3 semester hours*

The importance of safety education in modern living. Methods of overcoming the hazards present in the home, school, community, industry, and traffic. How to teach safety habits and attitudes. Fall semester.

H.E. 482. Driver Education and Training *3 semester hours*

Classroom study of personal characterics bearing on driving, use of various types of tests, and techniques of teaching beginning drivers. Road instruction on the use of dual control cars in the teaching of safe driving. Prerequisite: Driver's license. May be taken for no credit by holders of learner's permits. Offered in summer sessions only.

H.E. 483. Psychology of Accident Prevention
3 semester hours

A study of methods for developing attitudes toward safety; the part played by personality and emotions in accidents. Offered in summer sessions only.

H.E. 484. Methods and Materials in Safety Education
3 semester hours

Methods of teaching safety and subject matter placement in the elementary and secondary schools. Source material and measuring the results of safety education. Prerequisite: Introduction to Safety Education. Spring semester.

H.E. 485. Organization and Supervision In Safety Education
3 semester hours

History, philosophy, and basic principles of organization and administration of safety education. Organization and supervision of safety education in the public schools, including program planning. Legal aspects in the administration of school safety. Prerequisite: Introduction to Safety Education. Spring semester and summer session.

ELECTIVES IN RECREATION

H.E. 366. Organization and Administration of Recreation
3 semester hours

Policies and procedures which are essential in the promulgation of recreation programs on local, state, and national levels. This includes visitations to and evaluations of recreation centers in operation. Students will be given opportunities to plan and administer recreational projects. Prerequisite: Principles of Recreation. Fall semester.

H.E. 464. Supervised Recreation Leadership *4 semester hours*

Students will have guided experiences in active leadership in the various recreational programs of our immediate area. A one-hour practicum will be held each week to discuss problems and principles of Recreational Leadership. Fall semester.

H.E. 367. Arts and Crafts in Recreation *3 semester hours*

Theoretical and practical applications in the use of arts and crafts materials as a means of furnishing channels for recreative outlets for all age groups. Opportunities will be given to work in the various media customarily found in school and community recreation programs. Both semesters.

H.E. 368. Music in Recreation *3 semester hours*

A study of the many phases of recreational music as an effective leisure time activity for all age groups in communities, camps, playgrounds, and recreational centers; an understanding of the functions of the recreation leader in the music phase of the recreation program.

Specific activities in which students will participate are as follows: community singing and conducting, rounds, contra songs, action songs, making stereoptican slides for group singing, playing simple instruments such as the tonette or song flute, making rhythm band instruments, playing in and conducting a rhythm band, producing musical puppet shows, simple operettas, setting up the organization for the advanced listening, singing, and playing program. Spring semester.

H.E. 369. Dramatics in Recreation *3 semester hours*

The place of dramatic activities that meet recreational needs of all groups as either participators or spectators of the activities. Emphasis will be placed upon the appropriate plays and other dramatic media that fit all age levels in any community. Fall semester.

H.E. 370. Camping and Outing *3 semester hours*

A program including both theory and practice in all the elements of camping and outing programs. The student will

gain an insight into these activities from the viewpoints of the camper, the counselor, the supervisor, the specialist, and the director. Fall semester,

H.E. 331. Advanced Aquatics *2 semester hours*

Leadership procedures in all aquatic activities found in the public school program and in school camps. The student will have an opportunity to qualify as a waterfront safety instructor and will study problems in organization and administration of aquatic programs. There will be a complete analysis of all swimming strokes and life saving techniques. Both semesters.

H.E. 341. Modern Dance *2 semester hours*

This course is designed to prepare teachers in all elements of Modern Dance Activities that are employed in the Public School Program. The student is thoroughly grounded in fundamentals and teaching techniques of Modern Dance on the Elementary and Secondary levels. Opportunity for creative work is provided. Fall semester.

H.E. 353. First Aid For Teachers *2 semester hours*

A study of advanced first aid techniques and the methods and procedures for teaching first aid; problems of safety in home and school. Successful completion of this course may qualify the student for an instructor status. Spring semester and summer session.

ELECTIVES IN PHYSICAL THERAPY

H.E. 392. Introduction to Physical Therapy *2 semester hours*

An introductory course for men and women students anticipating matriculation in a post-graduate school of Physical Therapy. Major emphasis will be placed on correlating selected basic biological and physical science information relative to the practice of Physical Therapy. Pre-requisites: Anatomy and Physiology I and II, Applied Physiology, and Physics. Fall semester.

H.E. 491 Seminar and Observation in Pre-Physical Therapy *3 semester hours*

A course designed to provide the pre-physical therapy student with a general overview of the physical therapy profession and related fields of physical therapeutics. Students will spend one clock hour per week in a classroom seminar and eight hours per week in a rotational plan of visitations to and observation in recognized public physical therapy clinics and public school programs of remedial physical education. Prerequisites: Introduction to Physical Therapy. Spring semester.

GENERAL ELECTIVE

H.E. 451. Community and School Health Education Workshop *3 semester hours*

A study of common problems in the home, community, and school health education areas. A five-point program is as follows: to provide in-service training in health education; to stimulate and promote an effective follow-up program in health services; to coordinate the efforts of allied health agencies; to stimulate and promote interest in local health units; and to develop an awareness of the place of mental health in the total health program of the home-school-community. Offered in summer sessions only.

Health and Physical Education for Elementary, Secondary, and Music Students

For Elementary Curriculum Students

H.E. 101. Physical Education I *1 semester hour*

Introducing the student to an extensive program of recreational athletics having a high potential carry-over into post-college life. Included are archery, badminton, basketball, hockey, soccer, softball, speedball, swimming, tennis, and volleyball. Fall semester.

H.E. 150. Health *2 semester hours*

A course designed as an integrative experience in personal health education for the freshman student. The primary areas include: mental and emotional adjustment to the college

environment, family relationships factors influencing physiological health, and the college student as an intelligent appraiser of health practices and fads. Both semesters.

H.E. 201. Physical Education II *1 semester hour*

Continuation of individual activities with a gradual emphasis placed upon those physical activities which elementary children enjoy. The basic organization of the physical education program in the modern elementary schools is reviewed. Basic principles in teaching children how to play simple games and relays and those other recreational activities that are associated with this age group. Opportunities for lesson planning and teaching are provided for in a practical manner. The ability to plan for and direct the practical "recess' period in the elementary school program will be a main objective for each student. Spring semester.

H.E. 202. Physical Education III *1 semester hour*

The place of fundamental rhythms, creative rhythms, singing games, and folk dances on the elementary level will challenge the student. Personal skills in these areas will develop and each student will assume the leadership in directing these activities in class situations. The use of dancing activities for demonstrations and pageants will be studied. Spring semester.

H.E. 350. Health For the Elementary Grades *2 semester hours*

A course based upon the premise that health education is not a subject but rather a way of living. Special emphasis placed upon the development of sound principles and procedures in meeting the different needs of the child in relation to the school, home, and community. Elementary health courses of study will form the basic point from which each student will explore content and methods for making a sound total health education program. The inter-relationship of health education with all fields in the modern elementary program will be a focal point of attention. Both semesters.

For Secondary Curriculum Students

H.E. 104. Physical Education I *1 semester hour*

A wide variety of experiences in athletic games contemporaneous to college age levels will initiate the program. An introduction to those activities which have carry-over value into adult life will be the center of interest. These include soccer, speedball, hockey, basketball, swimming, softball, and tennis. Fall semester.

H.E. 150. Health *2 semester hours*

The same as Health for Elementary Curriculum Students. Both semesters.

H.E. 204. Physical Education II *1 semester hour*

Further experiences in individual sports will be offered including not only the learning of skills for personal enjoyment but also developing an elementary ability to help direct these in the modern secondary school recreational program. These include archery, badminton, bowling, golf, quoits, horseshoes, shuffleboard, tether ball, and winter sports. Spring semester.

H.E. 205. Physical Education III *1 semester hour*

Rhythmical activities that are of great interest to secondary schools will be offered. These include social, folk, square, and country dancing. Emphasis will be placed upon both the development of individual skill and ability to help direct these activities as a feature of the recreational program in schools. Spring semester.

For Music Curriculum Students

H.E. 107. Physical Education I (Eurythmics I) *1 semester hour*

The realization of rhythm in bodily movement and the development of neuro-muscular responses to the perception of musical rhythms are bases for the course. The student will become familiar with the factors of timing, force, and space so as to increase both his skill in bodily movement and his appreciation of rhythm. Swimming activities are also included. Fall semester.

H.E. 150. Health *2 semester hours*

The same as Health for Elementary Curriculum Students. Both semesters.

H.E. 207. Physical Education II (Eurythmics II)
1 semester hour

The development of an appreciation of rhythmic movement patterns through specific dance forms: Polka, Schottische, Waltz, Mazurka, Pavanne, Polonaise, Sarabande, Bouree, Gavotte, Minuet. Opportunities will be provided for the application of the principles of eurythmics in teaching music to children through both the planning and teaching of typical elementary school units; such as, Folk Festivals, Circuses, May Days, Indians, Transportation, Work and Occupations, Special Holidays. Some swimming activities are included. Spring semester.

H.E. 208. Physical Education III *1 semester hour*

A course providing an extensive variety of recreational athletic experiences which have the highest potential value for enjoyment in post-college life. Activities include archery, badminton, bowling, swimming, deck tennis, softball, volleyball, tennis, golf, and winter sports. Spring semester.

MATHEMATICS DEPARTMENT

DR. FILANO, *Chairman of the Department*

Dr. Travis and Mr. Geschwindt

Math. 101. Introduction to College Mathematics
3 semester hours

A course covering the basic areas in the field of mathematics. Development of the number system; nature and application of the fundamental processes; algebra, geometry, trigonometry and their applications. Both semesters and summer sessions.

Math. 105. College Algebra and Trigonometry
3 semester hours

An integrated course for the extension of competency in algebra and trigonometry. Includes functions, graphs, equations and identities in both fields. Fall semester and summer session.

Math. 111. College Algebra I *3 semester hours*

A course in intermediate Algebra. Fundamental operations, factoring, fractions, functions and their graphs, linear and quadratic equations, systems of equations, exponents and radicals. Fall semester and summer session.

Math. 121. College Trigonometry *3 semester hours*

A course emphasizing analytic trigonometry and also covering the measurement of triangles. Functions of angles, the logarithmic function, solution of triangles, radians, trigonometric identities and equations, inverse trigonometric functions. Spring semester and summer session.

Math. 131. Analytic Geometry *3 semester hours*

A study of loci and their equations through the use of algebra and geometry. Rectangular and polar coordinates, straight lines, conic sections, transformation of coordinates. Spring semester.

Math. 211. College Algebra II *3 semester hours*

A continuation of Math. 111. Theory of equations, mathematical induction, complex numbers, determinants, progressions, variation, permutations, combinations and probability. Spring semester and summer session.

Math. 241. Differential Calculus *3 semester hours*

A course covering limits, continuity and derivatives. Derivatives of functions, applications of derivatives. Introduction to integration as the inverse of differentiation. Prerequisite: Math. 131. Fall semester.

Math. 242. Integral Calculus *3 semester hours*

A study of integration as a process of summation plus further work with derivatives. Formulas and methods of integration and the application of integrals to area, volume, work and other practical problems. Pre-requisite: Math. 241. Spring semester.

Math. 301. Mathematics of Finance *3 semester hours*

Theory of simple and compound interest as applied to annuities, sinking funds, amortization, insurance. Fall semester of even years.

Math. 303. Statistics *3 semester hours*

A study of the presentation and analysis of numerical data. Graphs, frequency distributions, measures of central tendency and dispersion, correlation, regression and prediction, normal curve, reliability of statistical measures. Fall semester and summer session.

Math. 331 College Geometry *3 semester hours*

A course for the extension of competency in geometry. Development of geometric systems and deductive proof. Problems on polygons and circles, constructions, introduction to non-euclidean geometry. Spring semester.

Math. 341. Intermediate Calculus *3 semester hours*

A continuation of the Calculus to include infinite series and expansion of functions; solid analytic geometry; partial derivatives, multiple integrals and their applications; introduction to differential equations. Pre-requisite: Math. 242. Fall semester.

Math. 350. Teaching of Mathematics in Secondary Schools *3 semester hours*

A course in modern techniques of teaching mathematics. Aims of mathematics instruction, motivation, methods of instruction, evaluation in mathematics, courses of study, observation in secondary schools, experience in planning and presenting mathematics lessons. Fall semester.

Math. 351. Arithmetic For the Elementary Grades *3 semester hours*

A course designed to acquaint students with modern methods of teaching arithmetic and with the content of the arithmetic curriculum. Emphasizes the teaching of concepts, stresses the construction and use of learning aids, considers arithmetic syllabi and texts, provides opportunities for students to prepare and present lessons in arithmetic and to observe arithmetic classes in elementary schools. Both semesters and summer session.

Math. 401. History of Mathematics *3 semester hours*

A study of the growth of mathematics through the centuries and the men who contributed to it. Integration of the basic areas of mathematics. Spring semester of even years.

Math. 402. Modern Mathematics *3 semester hours*

An introduction to mathematical developments of the past century. Foundations of algebra and geometry, sets, rings, fields, Boolean Algebra, logic, probability, and statistics. Fall semester of odd years.

Math. 441. Differential Equations *3 semester hours*

A course in the theory, solution and application of ordinary differential equations. Spring semester of odd years.

MUSIC DEPARTMENT

DR. MITCHELL, *Chairman of the Department*

Mr. Middleton, Dr. Jones, Dr. Antonowich, Dr. Wright, Mr. Carl, Mr. Carson, Dr. Fletcher, Mrs. Gottlieb, Mr. Gutscher, Dr. Cheesman, Dr. Wilkinson, Mr. Sweet, Miss Sheppard, Dr. Johns, Mrs. Kelly, Mr. Sprenkle, Miss Williams, Mr. Barrow, Mrs. Bernard, Mr. Whitten, Miss Beatty.

Theory

The theory courses aim to develop the techniques required for a comprehensive understanding of music literature and the background necessary for intelligent interpretation, arranging, and composition. These techniques include: the harmonization of melodies; analysis of form; creative work—at the keyboard

and written; aural recognition of the harmonic vocabulary being studied; and the application to the keyboard of this vocabulary.

Mus. 110. Theory of Music *3 semester hours*

This course includes the study of sound and the use of such related mathematical skills as first degree equations, ratios, and interferences of periodicities. Aural recognition of the diatonic triads and their inversions is stressed as well as the development of part-writing skills. Melodic, rhythmic, and harmonic dictation is included. Pre-requisite: Mus. 100. Both semesters and summer.

Mus. 201. Theory of Music *3 semester hours*

A continuation of the development of basic skills presented in the preceding course, and introducing the study of modulation and non-harmonic tones. Pre-requisite: Music 110. Both semesters and summer.

Mus. 202. Theory of Music *3 semester hours*

In this course the student is given additional practice in handling the materials of Theory of Music 110 and 201, and introduces seventh chords and chromatic alterations. Pre-requisite: Mus. 201. Both semesters.

Mus. 301. Theory of Music *3 semester hours*

This course augments the student's harmonic vocabulary with a study of modulation to remote keys while developing the material of Theory of Music 202. Special attention is placed upon arrangement of compositions for voices and piano. All the techniques acquired in previous courses will be further developed. Creative application of materials is emphasized. Pre-requisite: Mus. 202. Both semesters.

Mus. 211. Sight-Singing I *3 semester hours*

A study devoted to developing the specific skill of singing at sight. Emphasis rests upon coordination of the visual, aural, and theoretical aspects of the process. Extensive drill in individual and part-singing is directed toward quick recognition of

appropriate tonal and rhythmic problems and the ability to reproduce them vocally. Pre-requisite: Mus. 100 Both semesters and summer session.

Mus. 212. Sight-Singing II *2 semester hours*

Increased facility in reading is developed through the use of material of advanced difficulty involving chromatic alterations, more remote modulations and intricate rhythms. Prerequisite: Mus. 211. Both semesters.

Mus. 233. Basic Physical Science (Musical Acoustics) *3 semester hours*

A special course in musical acoustics arranged for students in the Music Education Curriculum to give them an understanding of the nature of sound and the basic principles of production and transmission of sound with their applications to musical instruments. Further consideration is given to the physical basis of harmony and scales, hearing, the acoustics of concert halls, and the recording and reproduction of sound. Both semesters.

Mus. 321. Counterpoint *2 semester hours*

A practical study of the fundamental material of music and its evolution. The course includes a comparison of harmonic and melodic movement, analysis and writing of both vocal and instrumental polyphony in strict and free style. Pre-requisite: Mus. 202. Both semesters.

Mus. 322. Orchestration *2 semester hours*

A course including the techniques of the instruments of the orchestra and band and presenting the principles of instrumentation in theory and practice. Special emphasis is given to arranging for school orchestras and bands. Prerequisite: Mus. 202. Both semesters.

Mus. 323. Composition *2 semester hours*

A course designed to give the advanced student more intensive experience in creative work. Although no definite idiom is prescribed, the use of contemporary techniques is

encouraged. The work done in this course will be written for various mediums. Each student is offered guidance and aid in writing compositions in the forms, styles, and mediums best suited to his own special capabilities and needs. Pre-requisite: Mus. 202. Spring semester.

Music Education and Student Teaching

Mus. 311. Secondary Music Methods *2 semester hours*

A study of the choral and general music program of the secondary public schools. Included in assignments and discussions are: the development of good human relations involving the teacher, the students, the faculty, and the administration; the organization, procedures, problems, and materials of vocal music classes, covering voice classification, the changed and changing voices, voice classes, and choral organizations; special classes—the gifted and the retarded child; public performances; the school assembly; music appreciation classes; scheduling; requisitioning supplies and equipment; and school-community relationships. Special attention is given to the study of skills in teaching the general music classes. Particular emphasis is placed upon the selection and analysis of materials and evaluative techniques. Directed observations are included. Both semesters.

Mus. 312. Instrumental Methods *2 semester hours*

Fundamentals underlying the development of instrumental programs in the public schools. A variety of current practices and problems are investigated and considered with the viewpoint that no one type of organization will serve the needs of all communities and schools. Included are: background information on instruments of the orchestra and band; transposition, fingerings, etc.; consideration of problems of organization and administration; discussion, analysis and demonstration of teaching techniques and procedures; examination and evaluation of materials. Both semesters.

Note: Mus. 351 (Human Development), Mus. 311 (Secondary Music Methods) and Mus. 312 (Instrumental Methods) are all presented to students in the Music Education Curriculum in the same semester of the junior year. They are

so scheduled as to permit regular and ample amounts of observation of the teaching of music in public schools and to correlate the course content with such observation. Thus, the student receives a practical introduction to the teaching of music in the public schools and undergoes a gradual induction into teaching responsibilities leading up to the student teaching semester.

Mus. 324 Choral Materials and Practices *2 semester hours*

The course is designed to acquaint the student with a vast amount of choral music suitable for school use through actual analysis. Program building and other practical phases of presenting the chorus in performances are studied. Spring semester.

Mus. 325. Piano Methods (Class) *2 semester hours*

A course providing for the training of piano teachers and supervisors for the organization and teaching of piano classes in the public schools. Suitable teaching material including the leading system of class piano instruction will be examined and discussed. Demonstrations and student teaching are included. Spring semester.

Mus. 326. Instrumental Techniques and Materials *2 semester hours*

The course is designed for those juniors and seniors who desire to specialize in instrumental music by expanding their knowledge of the instruments and the organization and adminstration of an instrumental department; modern materials for instrumental groups are studied and evaluated; rehearsal procedures; minor repairs to instruments; competitions and festivals in Pennsylvania; program building with special emphasis on marching band procedures. Fall semester.

Mus. 327. Teaching Music Appreciation in the Elementary Grades *3 semester hours*

A course designed to enrich the music program throughout the grades. Suitable and available materials will be suggested from which each member of the class will be expected to organize a unit of work for a specific grade. The subject of

these units will be decided by the needs of the class itself. Throughout the course an attempt will be made to provide variety of approach and to present the subject so as to conform to the child's mental, physical, and psychological development. Summer session only.

Mus. 402. Seminar in Piano Teaching and Teaching Materials *3 semester hours*

A seminar giving in-service music teachers and supervisors the opportunity for class study of outstanding examples of the piano literature. The role and integration of the piano into the public school program along with suitable teaching materials for class and private study will be analyzed and used in demonstrations and student teaching. Summer session only.

Mus. 421. Student Teaching and Direction of Student Activities *12 semester hours*

Observation and participation in teaching situations ranging from the primary grades through senior high school, vocal and instrumental music, in conjunction with qualified cooperating teachers. Professional conferences and visitations are an integral part of the experience.

Humanities

Mus. 100. Foundations of Music *3 semester hours*

Relates the technical aspects of music to the social and cultural currents of Western Music. The historical approach to technical mastery is presented here in a degree which is beyond the province of courses in History, Literature, and Appreciation of Music. Pitch and rhythm, its representation through the centuries to the present age, and the development of basic skills in sight singing and dictation are included. Both semesters.

Mus. 220. Fine Arts *3 semester hours*

This is a course designed to give the student a stimulating background in the history and appreciation of music from the Classical Period through the Contemporary Period. The objective of the course is to provide a humanistic approach to

the Art of Music by relating it to its contemporary arts and the societies in which it develops. The course provides further for a study of the major composers and their contributions to the literature of music. Stress is placed upon familiarity with the forms in music through analysis and comparison. To this end, representative compositions are heard and analyzed through recordings and other audible means. Both semesters and summer session.

Mus. 310. History of Music *3 semester hours*

This course is basically a survey of the important movements in the History of Music from Primitive Times through the Baroque Period. It involves a study of the traditions of primitive societies and ancient civilizations, the development of music in the Christian Church, the contributions of the Middle Ages, and the developments in music through the Renaissance and the Baroque periods. Stress is placed upon the music of the 17th and 18th centuries. Where practical, representative compositions are heard and analyzed through available recordings. Both semesters and summer session.

Mus. 320. American Music *2 semester hours*

A course designed to trace the evolution of national style of composition from the earliest known American composers to the present day, and to acquaint the student with representative works of outstanding American composers. American music in our cultural heritage is analyzed and listened to with special regard for the amount of influence such things as jazz, impressionism, nationalities, and economics have had upon it. Spring semester.

Mus. 351. Human Development *3 semester hours*

A course dealing with the human growth and development of children in the elementary grades. The psychological aspects of creating desirable attitudes in children are stressed. Emphasis is placed upon the potent influence which music has upon the personal, emotional, and social development of the child. Included in assignments are the development of the child voice, his physical responses, music reading skills, and indivi-

dual growth through creative musical activities. Particular emphasis is placed upon the selection and analysis of materials and evaluative techniques. Both semesters.

Applied Music

Applied Music studied in this curriculum serves two purposes: that of developing the musicianship of the individual student; and that of providing the prospective teacher with the knowledge and techniques of various musical media needed for conducting an effective music program in the public schools. The program is carried out by means of individual and class instruction, according to the needs of the student. Opportunity is given for ensemble and for solo appearances in recitals and with college organizations.

Advanced standing in private study may be achieved by students after the freshman year, upon successfully passing certain tests. Extra credit will be given to students in the advanced standing classification.

Mus. 1-6. Voice *1 semester hour each course*

Six semesters of private vocal study are required of all students except students whose major area of performance is instrumental. Four semesters of vocal study are required of instrumental majors.

Mus. 101-108. Advanced Voice

1 semester hour each course

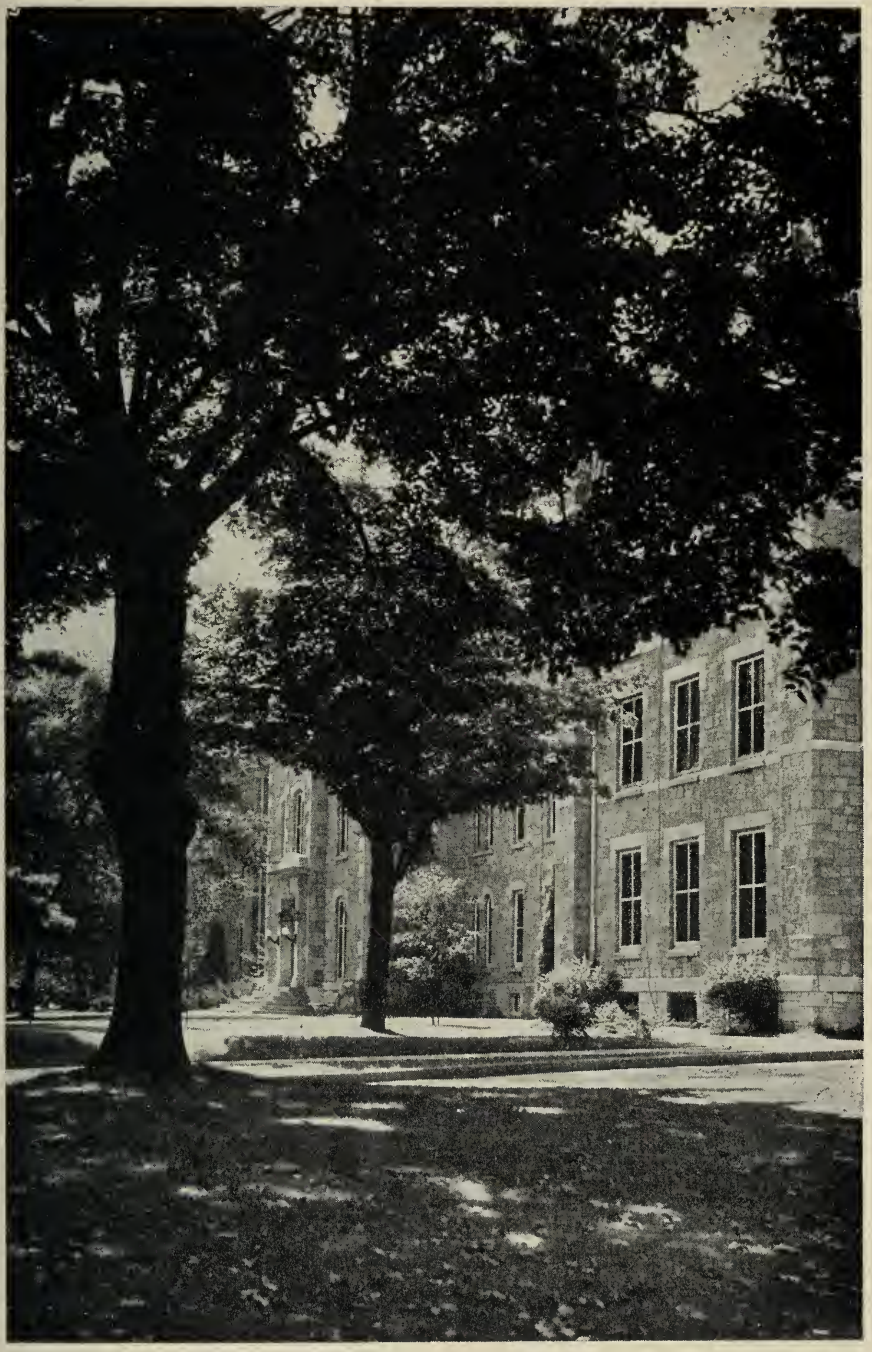
Eight semesters of private voice study are required of all students whose major area of performance is voice.

The study and application of the physiological and psychological principles of voice production and diction. The material used ranges from rote songs to classic and modern song literature, according to individual ability.

Mus. 109-114. Advanced Voice

1 semester hour each course

For students in this advanced study of voice who have completed by advance standing examinations Mus. 101-108.



Main Dormitory

Mus. 11-16. Piano *1 semester hour each course*

Six semesters of private piano study are required of all music education students.

Mus. 111-118. Advanced Piano *1 semester hour each course*

Eight semesters of private piano study are required of all students whose major area of performance is piano.

Each student receives one-half hour instruction in piano per week. At the end of each semester students are expected to meet minimum requirements in sight-reading, technique, and general musicanship, as determined by examinations before the piano faculty. The study of the piano includes keyboard harmony in the free piano style.

Mus. 119-124. Advanced Piano *1 semester hour each course*

For students in this advanced study of piano who have completed by advanced standing examination Mus. 111-118.

Mus. 17-18. Organ Class *½ semester hour*

Designed to acquaint the student with the fundamental techniques of the pipe organ. Emphasis is placed upon methods of practice and study including fundamental pedal techniques, hymn playing, and simple accompaniments. For a limited number of students in the music education curriculum who have met the piano and keyboard requirements. A practical course in service playing for piano majors.

Mus. 151-158. Advanced Organ *1 semester hour*

Individual instruction in pipe organ is offered to familiarize the student with the literature of the instrument and to develop a playing technique. (For a limited number of students in the music education curriculum who have met the piano and keyboard requirements.)

Mus. 159-164. Advanced Organ *1 semester hour*

For students in this advanced study of organ who have completed by advanced standing examination Mus. 151-158.

Mus. 21-22. Violin *1 semester hour*

Two semesters of class instruction in violin, two hours per week, are required of all music education students. Tone production, fingering, and technique are stressed.

Mus. 121-128. Advanced Strings *1 semester hour*

A minimum of four semesters of private study are required of all students whose major performing area is string instruments. Repertoire and public performance are stressed.

Mus. 129-134. Advanced Strings *1 semester hour*

For students in this advanced study of a string instrument who have completed by advanced standing examination Mus. 121-128.

Mus. 31-32. Clarinet *½ semester hour*

Two semesters of class clarinet, one hour per week, are required of all music education students. Tone production, embouchure, fingering, and technique are stressed.

Mus. 131-138. Advanced Woodwinds *1 semester hour*

A minimum of four semesters of private study are required of all students whose major performing area is woodwind instruments. Repertoire and public performance are stressed.

Mus. 139-144. Advanced Woodwinds *1 semester hour*

For students in this advanced study of a woodwind instrument who have completed by advanced standing examination Mus. 131-138.

Mus. 41-42. Trumpet *½ semester hour*

Two semesters of class trumpet, one hour per week, are required of all students.

Mus. 141-148. Advanced Brasses *1 semester hour*

A minimum of four semesters of private study are required of all students whose major performing area is brass instruments. Repertoire and public performance are stressed.

Mus. 149-154. Advanced Brasses *1 semester hour*

For students in this advanced study of a brass instrument who have completed by advanced standing examination Mus. 141-148.

Mus. 51-52. Instruments (Elective) *½ semester hour*

After having met the instrumental requirements in Violin, Clarinet, and Trumpet, the following instruments are elective through class instruction: viola, cello, bass, flute, oboe, bassoon, horn, trombone, baritone, tuba, percussion. For those advanced students who are interested in small ensemble groups in woodwinds, brass, or strings, opportunity is given to survey literature for such ensembles and to study ensemble style by participation.

Mus. 61-66. Chorus *1/3 semester hour*

Six semesters are required of all music education students.

Mus. 161-168. Choir *½ semester hour*

Eight semesters are required of all students who qualify for the College Choir.

A study of choral works with these topics especially stressed: breathing, interpretation, tone quality, enunciation, and diction. Works suitable for junior and senior high schools and colleges are studied, and special attention is given to preparation and public performance in these works.

Mus. 71-73. Orchestra (Elementary) *1/3 semester hour*

Three semesters are required of all music education students.

Students review and perform orchestra music of first, second, and third grade difficulty, suitable for use with school and community orchestras.

Mus. 171-178. Symphony Orchestra *½ semester hour*

Eight semesters are required for all students who qualify for the Symphony Orchestra.

The Symphony Orchestra prepares music for its major programs from the standard symphonic repertoire and also

accompaniments for the Student Recitals which feature vocal and instrumental majors capable of performing with full orchestra. Almost half of the time each year is spent on sight-reading as much standard symphonic literature as possible. Membership in the orchestra is determined by audition.

Mus. 81-83. Band (Elementary) *1/3 semester hour*

Three semesters are required of all music education students.

Students review and perform band music of first, second, and third grade difficulty suitable for use with school and community bands.

Mus. 91-98. Band (Intermediate) *1/3 semester hour*

A training organization for the study and performance of band literature of medium difficulty. This band is also open to students from the Elementary, Secondary, and Health and Physical Education curriculums for extra-curricular credit.

Mus. 181-188. Concert and Marching Band

½ semester hour

Eight semesters are required of all music students who qualify for the Concert and Marching Band.

Open to men and women of any curriculum. Music for the Concert Band includes band music used at state festivals. Admission by tryout.

Mus. 331. Choral Conducting *2 semester hours*

A practical application of conducting and vocal techniques to chorus direction is made through actual practice in conducting a choral group. Score reading, rehearsal techniques, and other related subjects are studied with reference to the maintenance of an effective chorus program in the schools. Both semesters.

Mus. 332. Instrumental Conducting *2 semester hours*

A study, theoretical and practical, of the conducting of various types of instrumental groups. Instrumentation, interpretation, balance, and score reading are studied, discussed, and practiced. Emphasis is placed on the development of adequate rehearsal techniques and skills. Physical elements which can improve or handicap a performance are discussed. Typical works of the late 18th and early 19th centuries are prepared and conducted from full score. Both semesters.

Mus. 7-10. Applied Music (Elective) *1 semester hour*

Students in any curriculum may elect to study piano, voice, or some instrument, and receive credit upon demonstration of satisfactory progress. One lesson each week. Course placement will depend upon the student's background.

REQUIRED COURSES IN MUSIC FOR ELEMENTARY EDUCATION STUDENTS

Mus. 50. Fundamentals of Music *no credit*

A course given to those students in the Elementary Curriculum who do not meet the prescribed requirements of a Standard Achievement Test in music. Fundamentals of Music includes the study of intervals, scales, measure and key signatures, simple and compound rhythms, notation and terminology, and the application of this knowledge to the reading simple music. Prerequisite to Music for the Elementary Grades. Both semesters.

Mus. 220. Fine Arts *3 semester hours*

See course description under Music: Humanities.

Mus. 251. Music for the Primary Grades *3 semester hours*

A course designed to equip the graduate, under supervision, to help in the enrichment of the music program in the primary grades of the public schools. Special emphasis is given to the student's acquiring a knowledge of the piano keyboard, voice production, elementary theory, rhythm, and form. In addition, various teaching methods and the use of materials that function in the program are presented: singing, also rhythmic listening, creative and instrumental activities keyed to the needs of the elementary child. Type lessons for the primary grades are taught by the student and constructively evaluated; observation of music in the schools is incorporated. Both semesters.

Mus. 252. Music for the Intermediate Grades *3 semester hours*

A course designed to equip the graduate, under supervision, to help in the enrichment of the music program in the intermediate grades of the public schools. Special emphasis is given to the student's acquiring a knowledge of the piano keyboard, voice production, elementary theory, rhythm, and form. In addition, various teaching methods and the use of materials

that function in the program are presented: singing, creative and instrumental activities keyed to the needs of the child in the intermediate grades. Type lessons for the intermediate grades are taught by the student and constructively evaluated; observation of music in the schools is incorporated. Both semesters.

ELECTIVE COURSES IN MUSIC FOR ELEMENTARY EDUCATION STUDENTS

Mus. 100. Foundations of Music *3 semester hours*

(See course description listed under MUSIC: Humanities)

Mus. 327. Teaching Music Appreciation in the Elementary Grades *3 semester hours*

(See course description on page 157). Summer session.

Mus. 401. Piano Class (Elementary Teachers) *3 semester hours*

Functional study of the piano through class lessons so that the elementary teacher may use the instrument as a means of broadening the elementary music program into the integrated Elementary Education Curriculum. Piano accompaniments for classroom singing and rhythmic and creative activities are stressed through study, demonstrations, and teaching of practical classroom materials. A course designed primarily for the in-service elementary classroom teacher. Summer session.

Applied Music *1 semester hour*

Students in any curriculum may elect to study piano, voice, or some instrument, and receive credit upon demonstration of satisfactory progress. One lesson each week.

REQUIRED COURSE IN MUSIC FOR SECONDARY AND PHYSICAL EDUCATION STUDENTS

Mus. 220. Fine Arts (Music) *3 semester hours*

(See course description listed under MUSIC: Humanities).

NOTE: Many of the courses in the Music Curriculum are available to students in other departments. There are no fees for the students that qualify in the larger musical organizations, which are considered extra-curricular for non-music majors.

PUBLIC SCHOOL NURSING COURSES

P.S.N. 300. Public School Nursing *2 semester hours*

Deals with the special training in public school nursing as a branch of public health nursing, including historical background, the various fields it covers, the problems and limitations that are involved. Responsibilities of the nation, state, community, school board, administrators, and the school nurse are studied. The new techniques of handling children with heart disease, communicable diseases, sight and hearing problems, crippled children, mentally retarded, those incapable of being educated, and accident prevention are included.

P.S.N. 301. Public School Organization for Nurses *2 semester hours*

The course is designed to prepare the school nurse to function effectively as an integral part of the public school organization. The student is acquainted with the varied relationships with which the nurse is involved in the discharge of her responsibilities. Particular emphasis is given to the general character of the American school system, its organization, adminstration, supervision, public relations, curriculum building, co-curricular program, and guidance.

P.S.N. 302. Public Health Nursing I *3 semester hours*

A survey of the fundamental principles and the historical background of public health work in Europe, England, and America. Much stress is placed on the recent movement to bring this work up to date in our own state and the training and procedures by which it is to be accomplished. Careful consideration is given to the social changes in medicine, preventive techniques, population trends, modern ideas of sanitation and sewage disposal, the handling and marketing of foods, housing conditions of today, methods of record keeping, Civil Service procedures, and limitations as they concern the nurse.

P.S.N. 303. Public Health Nursing II *3 semester hours*

A continuation of Public Health Nursing I. Deals with the past history and modern practices of maternity care, infant care, child welfare, dental care, teaching proper techniques in

the home, care of the crippled, handicapped in sight, hearing, and the aged. The vast opportunities open today in social work for the public health coordinator or leader in community health movements are an important aspect of the course.

P.S.N. 304. Nutrition and Community Health

2 semester hours

A review of nutrition from the chemical make-up of foods to the use our body makes of them and how we evaluate that use. The part the nurse plays is covered in the following fields: teaching of nutrition in schools, homes, institutions to individuals, to community organizations in regard to the proper feeding of infants, mothers, adolescents, the middle aged, the aged, the obese, those suffering from allergies, those with chronic diseases, and alcoholics. Offered in summer session only.

P.S.N. 305. Family Case Work *3 semester hours*

A study of the processes of interviewing and making case studies of family groups. The history and sociology of the American family is used as background for study. Lectures, reports, and seminar techniques are employed. Summer session only.

SCIENCE DEPARTMENT

DR. GORDON, *Chairman of the Department*

Miss Greenwood, Dr. Trezise, Dr. Braddock-Rogers, Mr. Skillen, Mrs. Bliss, Mr. McDonnell, Mr. Rickert, Mrs. Fitzgerald, Mrs. Shivers.

General Courses

Sci. 100. Basic Biology *3 semester hours*

A course dealing with the principles of biology. Topics include cellular structure and physiology, growth and repair, reproduction and development, control, sources of food energy, inheritance, and man's interrelationship with his biological environment. The classification of plants and animals is reviewed briefly. Both semesters.

Sci. 150. Basic Physical Science *3 semester hours*

This course utilizes the fields of earth science and astronomy to provide a broadened background of science. The nature and uses of energy is the central theme for the study of heat, light, chemical, electrical, and atomic energy. Emphasis is placed on the methods of scientists in recognizing and solving problems. Both semesters.

Sci. 250. Science for the Elementary Grades

3 semester hours

A course following the year of basic science designed to provide the elementary teacher with a more adequate background for teaching science in the elementary school. Units or problems are selected to achieve this purpose which cut across various fields of science. Emphasis is placed upon developing resourcefulness, in gathering data, and using scientific methods in the solution of such problems. Prerequisites: Basic Biology and Basic Physical Science, or acceptable equivalent courses. Both semesters.

Sci. 350. Teaching Science in Secondary Schools

3 semester hours

A course planned to give the prospective science major a thorough grounding in the problems of teaching science. The objectives of the science program in the secondary school, selection of textbooks, sources of suitable literature, how to secure materials for instruction, the preparation of units, and special techniques are studied. Prerequisites: 12 hours of work in major field. Fall semester of odd years; alternate summers, even years.

Sci. 400. Modern Aspects of Science *3 semester hours*

Recent advances in various branches of science as they may affect teaching of secondary school subjects. Source materials will include articles in current technical and scientific journals as well as new books in special fields. The course will be conducted somewhat as a science seminar. Pre-requisites: Two semesters of chemistry, general college physics, and two semesters of biology, Spring semester of even years; alternate summers of odd years.

Biology

Biol. 111. Botany I *4 semester hours*

Botany I is a study of flowering plants. Topics include the anatomy and life processes of plant cells, leaves, stems, roots, flowers, seeds, and fruits. The economic importance of plants used by man and the recognition and classification of seed plants in the immediate environs of the College are included. Fall semester.

Biol. 112. Botany II *4 semester hours*

Botany II is concerned primarily with the non-flowering plants. It considers both the anatomy and life processes of selected algae, bacteria, fungi, mosses, ferns, and their allies. The economic importance and health implications of certain of these groups are emphasized. The recognition and classification of non-flowering plants in the immediate surroundings are stressed. Spring semester.

Biol. 141. Zoology I *4 semester hours*

A study of the life history, habits, origin, development, physiology, and anatomy of representative life forms in each phylum of the invertebrates. Emphasis is given to the study of those forms of economic importance. The student becomes acquainted with many invertebrate species found locally. Fall semester.

Biol. 142. Zoology II *4 semester hours*

A study of the chordates in general, and more particularly the classes of vertebrates. Topics studied include the anatomy, physiology, origin, development, and life history of representative members of each class. Special attention is given to the vertebrates found in the vicinity of the College. Spring semester.

Biol. 210. Field Botany *3 semester hours*

A course giving methods useful in the study of plants in their natural surroundings. The use of keys, botanical manuals, and illustrated floras to identify living speciments will consti-

tute a major activity. Among the desirable outcomes should be an acquaintance with non-cultivated plants as sources of emergency or staple foodstuffs, fibers, lumber, pollen, and nectar, as well as their incalculable value to wildlife. Prerequisites: Basic (College) Biology or at least one semester of Botany. Fall semester and summer session.

Biol. 241. Field Zoology *3 semester hours*

A course to familiarize teachers with the animal life in the surrounding localities. Considerable attention will be given to the use of keys, charts, books, and museum specimens as guides to the identification and classification of various animals. Field trips will be taken to observe, collect, and study animals as well as their habitats. Prerequisites: Basic (College) Biology or at least one semester of Zoology. Spring semester and summer session.

Biol. 242. Ornithology *3 semester hours*

An introduction to the birds of Pennsylvania with special emphasis on the identification of birds in the field. Lectures deal with classification, migration, habitat preference, song, courtship, nesting and rearing of young, and plumage changes. Abundant field work gives practice in identification of native birds by their songs, behavior, form, and plumage. Prerequisites: Basic (College) Biology or at least one semester of Zoology. Pre-session of summer school.

Biol. 261-262. Anatomy and Physiology I and II
6 semester hours

A continuous two semester course of study of the human body structures and their functions. Body systems will be presented as individual units with concurrent analysis of anatomical and physiological features as they relate to the human body as an integrated whole. Major emphasis will be placed on the musculo-skeletal system.

Laboratory sessions will consist of osteology, animal dissection, and small animal experimentation that has a direct relationship to human physiology.

Three hours of lecture and two hours of laboratory per week. Both semesters and summer session.

Biol. 301. Genetics *3 semester hours*

A course giving the student an understanding of the laws of inheritance as they operate in plants, animals, and humans. Cell structure, Mendelian inheritance, eugenics, linkage, probability, crossing over, and random assortment are all considered. Prerequisites: 6 hours of biology or permission of the instructor. Fall semester of odd years.

Biol. 302. Ecology *3 semester hours*

A study of plants and animals in relation to their physical and biological environments. Special topics include distribution, factors affecting distribution, life zones, food chains, and adaptations. Attention is given to plant and animal communities in Pennsylvania. Individual problems may be assigned. Prerequisites: 6 hours of biology or permission of the instructor. Spring semester of odd years.

Biol. 310. Microbiology *3 semester hours*

A study of microscopic forms of life which are commonly encountered in biological work. Some emphasis is placed on the study of disease producing species likely to affect man and his domesticated animals. Methods of culturing forms used in high school teaching are studied. Prerequisites: Botany I and II, Zoology I and II. Spring semester of odd years.

Biol. 341. Entomology *3 semester hours*

A general study of insects, including structure, physiology, economic importance, classification, and relationships. Each student is required to participate in field trips and to complete a project including a collection and report on some group of insects. Prerequisite: Basic Biology (College) or Zoology I. Contingent on enrollment.

Biol. 342. Parasitology *3 semester hours*

The consideration of the anatomy, physiology, life history, and habits of representative parasites of man and his domesticated animals. Means of prevention, detection, and control are emphasized. Special attention is given to those forms likely to be encountered in the area of the College. Prerequisites: Zoology I and II. Contingent on enrollment.

Biol. 343. Mammalian Anatomy *3 semester hours*

A systemic approach to the study of the structure of mammals with considerable emphasis on human anatomy. Laboratory activity includes dissection of organs of large mammals, particularly bovine heart, brain, lung, and kidney. In addition, students become familiar with the human skeleton, with anatomical charts and models, and with the dissectible human mannikin. Pre-requisite: Zoology II. Spring semester of even years.

Biol. 344. Human Physiology *3 semester hours*

An investigation of life processes as they occur at the structural levels of the cell, the organ, and the integrated organism. Stress is placed upon the biochemical and biophysical mechanisms which are essential to the comprehension of cellular function. Laboratory exercises deal with the measurement or observation of physiological phenomena such as muscle contraction, renal function, blood clotting and typing, enzyme activity, basal metabolic rate, and reflex behavior. Prerequisite: Zoology I and II. Fall semester of even years.

Biol. 351. Embryology *3 semester hours*

Involves lectures on experimental analysis of embryonic development. Some microsurgical methods will be employed. Techniques related to the study of the embryology of the chick, pig, and human will be discussed and are included in the laboratory work. Reference will be made to certain developing structures in the amphibians and fishes that are co-related. Seminars will be scheduled. Pre-requisite: Mammalian Anatomy or equivalent. Spring semester of even years.

Biol. 401. Histology *3 semester hours*

The study of animal tissues, involving a discussion of the structure and physiology of the basic types. Relationships of tissues to cells and to organ systems will be studied. Laboratory work will be required for preparation of whole mount, smears, and tissue sections for microscopic study. Microstudy and histological pathology of major organs and systems will be included. A few seminars will be scheduled. Pre-requisite: Anatomy and Physiology or equivalent Biology courses. Fall semester of odd years.

Biol. 402. Cytology *3 semester hours*

Plant and animal cells are studied with particular reference to the processes of reproduction, growth, and differentiation. Theories concerning the functions of the various structures will be discussed. Laboratory work will be assigned. Informal seminars will form a basic part of this course. Pre-requisites: Invertebrate Zoology, two semesters of General Biology, or equivalent. Fall semester of even years.

Biol. 410. Plant Pests and Diseases *3 semester hours*

The nature of infectious plant parasites, insects and nematodes causing considerable damage to crops, forest trees and ornamentals. Specific bacteria, fungi, virus bodies, insects, and modern control measures will be studied. Environmental deficiencies leading to failure in growth and production of flowers, fruits, seeds, and tubers are equally stressed. Pre-requisites: Bot. I and II; Biology, Zoology I and II. Spring semester of even years.

Biol. 440. Experimental Animal Behavior *3 semester hours*

A laboratory course that deals with responses of common laboratory animals to changes in their environment. Results of transplantation and regeneration will be reviewed, as well as treatments with synthetic drugs and hormones. Several invertebrate forms, such as flatworms, annelids and arthropods will be used in experiments performed by the student. The course is designed as an introduction to scientifically directed animal experimentation. Pre-requisites: Zoology I and II. Contingent on enrollment.

Chemistry

Chem. 120. General Chemistry (for Health Education students only) *3 semester hours*

Required of all students of health and physical education but does not satisfy the requirements in chemistry for science majors. Includes a general study of several of the common elements, several types of problems, and the fundamental laws of chemistry. A brief study of the periodic table and atomic structure is introduced very early in the semester. Both semesters.

Chem. 121. Inorganic Chemistry I *4 semester hours*

The fundamentals of chemical combination. Atomic structure, chemical bonding, the periodic table, oxidation and reduction, solutions, and electro-chemistry are among the topics which are stressed. Fall semester.

Chem. 122. Inorganic Chemistry II *4 semester hours*

A continuation of Chemistry 121. Ionization, the modern concept of acids and bases, and an intensive study of the chemistry and industrial aspects of a number of the common and important elements are the subject of this course. Pre-requisite: Chemistry 121. Spring semester.

Chem. 123. Inorganic Chemistry III *4 semester hours*

This is a continuation of Inorganic Chemistry II in which emphasis will be placed on the Industrial aspects of chemistry. This class work is supplemented by selected experiences and trips to neighboring industries. Pre-requisites: Inorganic Chemistry I and II. Contingent on enrollment.

Chem. 221. Qualitative Analysis *3 semester hours*

A study of the theoretical principles and practices underlying analytical chemistry. It includes study and practice in separating and identifying the cations and anions of the more common elements and radicals. Prerequisites: Inorganic Chemistry I and II. Fall semester of even years.

Chem. 222. Quantitative Analysis *3 semester hours*

Introductory training in the theory and practice of gravimetric, volumetric, electrolytic, and potentiometric analysis. Quantitative calculations and relations are stressed. Prerequisites: Inorganic Chemistry I and II. Spring semester of even years.

Chem. 321. Organic Chemistry I *4 semester hours*

An elective for those who plan to major or minor in chemistry. It includes a study of the hydrogen compounds of carbon of the aliphatic series with emphasis on structural relationships and nomenclature as well as on uses and characteristic properties. Prerequisites: Inorganic Chemistry I and II Fall semester of odd years.

Chem. 322. Organic Chemistry II *4 semester hours*

This is a continuation of Organic Chemistry I with emphasis on the aromatic series and an introduction to the heterocyclic compounds. Pre-requisites: Organic Chemistry I; Inorganic Chemistry I and II. Spring semester of odd years.

Chem. 325. Physical Chemistry *3 semester hours*

The energy relations of chemical processes. Representative topics which will be studied are the properties of the states of matter, theory of solutions, thermo-chemistry, kinetics of reactions, the phase rule and equilibrium. Contingent on enrollment.

Physics

Phys. 131. Physics I *4 semester hours*

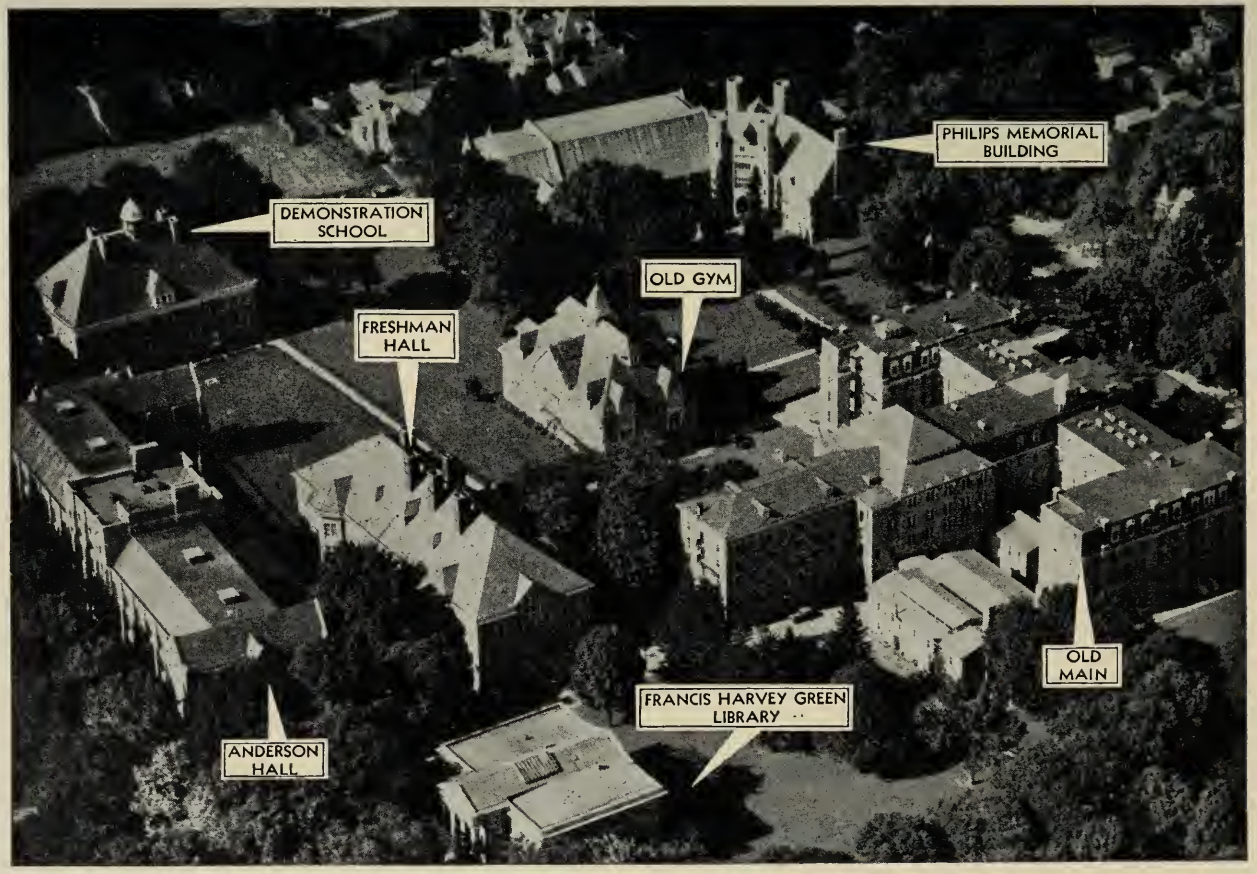
An introductory course in mechanics, heat, and sound. Some of the topics studied are the mechanics of solids, liquids, gases, thermometry, calorimetry, and heat transference, the production and nature of sound waves including musical sounds. Fall semester.

Phys. 132. Physics II *4 semester hours*

An introductory course in light, magnetism, and electricity. Some of the topics discussed are reflection and refraction, optical instruments, spectra, and interference. The portion devoted to electricity and magnetism deals with the general concepts of magnetism, electrostatics, electrical circuits, generators, motors, and alternating currents. Spring semester.

Phys. 231. Mechanics *4 semester hours*

An intermediate course in mechanics of solids, liquids, and gases. An opportunity is provided for a deeper insight into the principles in operation and their practical application. Studies are made of rectilinear and circular motion, work and energy, impulse and momentum, simple harmonic motion, and hydrostatics. Emphasis is placed on qualitative considerations. Prerequisites: Physics I and II. Fall semester of odd years.



Air View of Main Campus

Phys. 331. Electricity and Magnetism *4 semester hours*

An advanced course in general electricity and magnetism. The electric magnetic fields, D.C. and A.C. circuits, capacitance, inductance, electromotive force, and electrical instruments are among the topics developed. Prerequisites: Physics I and II. Fall semester of even years.

Phys. 332. Electronics *3 semester hours*

A course dealing with the electron, inducing the charge, emission, and velocity of the electron. The fundamentals of vacuum tubes and their circuits and the use of tubes in communications and industry are studied. Prerequisites: Physics I and II. Spring semester of even years.

Phys. 333. Optics *4 semester hours*

An intermediate course in optics. Geometrical and physical optics are included. Reflection and refraction at surfaces, lenses, interference and diffraction, elementary spectroscopy and polarization of light are discussed. Applications are made in the study of optical instruments. Prerequisites: Physics I and II. Contingent on enrollment.

Phys. 430. General Astronomy *3 semester hours*

Recognition of constellations and various components of the solar system using the naked eye and low power telescopes, supplemented by specific textbook assignments. This course is required for certification in the field of Earth and Space Science. Pre-session of summer school.

Phys. 431. Modern Physics *3 semester hours*

An intermediate discussion of some ideas of modern physics. Emphasis is placed upon fundamental concepts and experimental results. Topics include fundamental particles of matter, qualitative concepts of quantum theory, relativity, the solid state, radioactivity and other nuclear processes, nuclear structure, and cosmic rays. Pre-requisite: Physics I and II. Spring semester of odd years.

Phys. 432. Atomic Physics *3 semester hours*

A discussion of the atomicity of electricity, matter, and light. Emphasis is placed upon fundamental concepts and experimental results. Topics discussed include the electron, the ideal gas, positively charged particles, line spectra, x-rays, black body radiation, emission and absorption processes, the Bohr atoms and the periodic table. Pre-requisite: Physics I and II. Spring semester of even years.

SOCIAL STUDIES DEPARTMENT

DR. FLECK, *Chairman of the Department*

Dr. Vollbrecht, Mrs. Ivins, Mr. Shaffer, Dr. Harding, Dr. Everett, Dr. Maneval, Mr. Morgan, Mrs. Shur, Mr. Benner.

General

Soc. St. 331. Teaching Social Studies in Secondary Schools *3 semester hours*

A course to familiarize prospective teachers with desirable methods which may be used in teaching the social studies. Emphasis is placed on the philosophy, objectives, courses of study, and organization of subject matter for teaching purposes, curriculum materials, procedures, and development. Both semesters.

History

Hist. 201. History of Civilization I *3 semester hours*

A study of the origin and development of the political, social, economic, and religious institutions which constitute modern civilization, with emphasis upon broad movements to make realistic the information necessary for a proper understanding of the great heritage that is ours in the present day. Fall semester.

Hist. 202. History of Civilization II *3 semester hours*

A continuation of Hist. 201 from the Reformation to World War I. Spring semester.

Hist. 221. History of Europe to 1815 *3 semester hours*

A study of the development of the social, economic, political, religious, and cultural experiences of the European people, emphasizing the cause and effect of inter-relation and interdependence of both people and events that are basic to understanding the fundamental forces that lead to modern life. Fall semester.

Hist. 222. History of Europe Since 1815 *3 semester hours*

A comprehensive study of the factors contributed by the European people in their national organization through their political, social, and economic activities. The understanding of the casual and intergroup relationships are essentially basic to analysis and interpretations of the difficulties facing the European world today. Spring semester.

Hist. 311. History of United States and Pennsylvania I *3 semester hours*

A survey course in the history of the United States and Pennsylvania from the beginning of the colonial period to the end of the Civil War. Emphasis is placed on the social, economic, and political development of our nation in general and of our Commonwealth in particular. Fall semester.

Hist. 312. History of the United States and Pennsylvania II *3 semester hours*

A survey course in the history of the United States and Pennsylvania from 1865 to the present. Stress is placed on the impact of the Industrial Revolution on our society, the growth of labor, world power, our part in World Wars I and II, and the activities of our nation in behalf of international organization. Spring semester.

Hist. 313. History of Pennsylvania *3 semester hours*

A study of the founding and development of Pennsylvania from its colonial beginning to the present time. Emphasis is placed on the social, economic, and political developments in the different periods of its history. Special attention is given

to the diversity of the people, their institutions and problems, and the growth of Pennsylvania to a leading position in our modern industrial world. Spring semester of odd years; Fall semester of even years.

Hist. 314. Diplomatic History of the United States

3 semester hours

A study of our foreign relations from the beginning of our national history to the present. Such aspects as the growth and influence of a policy of "isolation," the creation and development of the Monroe Doctrine, the changing position of the United States as a world power, and the problems incident to the assumption of the resulting responsibilities. Spring semester of even years.

Hist. 315. Economic History of the United States

3 semester hours

A study of the economic development of the American nation. Emphasis is placed on the economic factors and forces underlying the changes taking place as a young, frontier country, primarily agricultural, emerges as a wealthy and complex industrial power. Special attention is given to the growth of consumption as well as production; and to the increasing role of the individual as a primary center of economic interest. Spring semester of odd years.

Hist. 321. History of England *3 semester hours*

The growth of the people and institutions of England from the conquest by the Anglo-Saxons to the present. The emphasis is placed on the development of those factors that gave rise to the struggle and events that culminated in the establishment of democratic principles and organization in our modern world. Fall semester of even years.

Hist. 322. History of the Far East *3 semester hours*

A study of the development of the people of China, India, Japan, Indonesia, and the Pacific Islands. Attention is given to their cultures and developmental problems as they are related to each other and to the occident. Spring semester of even years.

Hist. 323. History of the Middle East *3 semester hours*

A study of the various civilizations that developed in this area with regard to their contributions as they influenced both oriental and occidental achievements. Special emphasis is placed on the modern aspects of their relation to world knowledge and to problems of current international interest. Fall semester of even years.

Hist. 324. History of Latin America *3 semester hours*

The development of the Latin American countries from the period of discovery to the present. The economic, social, political, and cultural areas receive special attention first as domestic problems, then as they are related to the various political units involved. The influence of European and American relations as they are reflected in local changes are given consideration. Fall semester of odd years.

Hist. 325. History of the Twentieth Century World *3 semester hours*

The significance of events in the present century brought out by a study of the growth of capitalism, imperialism, totalitarianism, international jealousies, World Wars I and II, and the attempts of the family of nations to find world peace through international understanding. Fall semester of odd years.

Social Science

Ec. 331. Principles of Economics *3 semester hours*

A study of the economic principles which are fundamental for an appreciation of our modern economy. While stressing the forces and factors that explain production, distribution, and consumption in our capitalistic order, much attention is also given to practical economic matters, including labor problems, co-operative movements, and business management. Both semesters.

Ec. 332. Contemporary Economic Problems *3 semester hours*

A study of certain of our more crucial present day problems such as: labor relations, money and banking, international trade, government regulation. Fall semester of even years.

Soc. 331. Principles of Sociology *3 semester hours*

A basic course in sociology dealing with the interaction arising from the association of human beings. Emphasis is placed upon natural and social heritage, the meaning and functions of culture, the origin, function, and characteristics of social institutions, such as family, religion, and the state; inquiry into the nature and genesis of social pathology. Both semesters.

Soc. 332. Contemporary Social Problems *3 semester hours*

An advanced course in sociology. It deals with several problems such as poverty, unemployment, crime, divorce, and mental maladjustment. Lectures, reports, and seminar techniques are used. Fall semester of odd years.

Soc. 333. The Family *3 semester hours*

The development of the family and home in its historical, economic, and legal aspects. The various factors influencing the organization, disorganization, and reorganization, of the family are considered, as well as the modern trends in this basic institution. Spring semester.

Pol. Sci. 331. State and Local Government *3 semester hours*

The organization, structure, and functions of our state, county, and city governments. Consideration is given to modern administrative techniques and methods as they apply to state and local governmental units. Special emphasis is placed upon Pennsylvania state and local governmental organs. Spring semester.

Pol. Sci. 332. Comparative Government *3 semester hours*

Major attention is given to Great Britain and Soviet Russia as best representing, among foreign governments, the democratic and authoritarian systems. Brief consideration is given to the governments of France, Italy, Germany, and Japan. Frequent comparison and contrasts are drawn between these governments and government in the United States. Fall semester of odd years.

Pol. Sci. 333. International Relations *3 semester hours*

A study of the modern economic, social, political, religious, and cultural problems that reflect the influence of international relationships of the nations of the world using the United States as the point of departure. Special attention is paid to the struggle of the people through their representatives in international conferences and organizations to resolve their differences. Spring semester of odd years.

Pol. Sci. 431. American Government *3 semester hours*

A study of the general principles of the American system of constitutional government; special emphasis is placed upon the organization and functions of the national government—legislative, executive, and judicial; the rights and duties of citizenship; the electorate, political parties, civil rights, and the growing regulatory functions of government are carefully treated. Both semesters.

SUMMER SESSIONS OF 1961

Pre-Session: (3 weeks) _____ June 5 - June 23
Regular Session: (6 weeks) _____ June 26 - Aug. 4
Post Session: (3 weeks) _____ Aug. 7 - Aug. 25

Credit Secured in Summer School

No student will be allowed to secure more credits than the number of weeks in a session except by special permission of the Dean of Instruction. A student may enroll for one, two, or all three sessions. By attending all twelve weeks a student can complete twelve semester hours of credit.

Expenses and Fees *

Board and room are $16. a week. The Activity Fee for the Regular Session is $3.50 and for the Pre-Session and post session $1.75 each. Books must be purchased. They will cost approximately $6.00 per course. A basic fee of $11. per semester hour of credit (minimum basic fee—$33.), covering instructional costs, is charged for legal residents of Pennsylvania; out-of-state students pay at the rate of $15. per semester hour of credit (minimum basic fee—$45.). The full expense of any summer session must be paid on the day of registration.

Health and Physical Education

During the Summer Sessions, the College plans to offer courses in the Health and Physical Education curriculum. The courses to be offered will be of collegiate grade and will carry credit toward the B.S. degree in the field of health and physical education. The program will interest and appeal to the following groups of people:

1. Those who are planning to meet requirements for the degree in health and physical education;
2. Graduates of other curricula who now plan to secure teaching certification in the health and physical education field;
3. Teachers in service who are called upon to teach and supervise health and physical education and playground work and who desire to meet the state requirements for this work.

* Fees subject to change without notice.

Music Education

During the Summer Sessions the College plans to offer courses in Music Education for three classes of people:

1. Those who are planning to meet requirements for the degree in music education;
2. Supervisors of music in the elementary or secondary schools who are desirous of furthering their musical education;
3. Those who have done advanced or somewhat irregular work in music and who wish to continue their education in the four-year college curriculum.

In the Summer Sessions, courses will be offered only when a sufficient number of students apply for them.

More detailed information about the Summer Sessions will be sent upon request to the Director of Admissions, West Chester State College, West Chester, Pennsylvania.

EXTENSION WORK *

Extension courses permitted in the four-year curricula for the preparation of teachers of the public schools:

1. The College adheres to the regulations set up by the American Association of Colleges for Teacher Education. A committee of this Association has recommended that extension credits be limited to thirty-two semester hours in the four-year curricula;
2. Any courses in the four-year curricula may be offered by the State Colleges subject to the standards approved by the State Council of Education;
3. Credit for equivalent courses given by other institutions may be given subject to the thirty-two semester hour limit and provided the courses have been given in accord with the standards of the State Council of Education;
4. All instructors of extension classes must be regularly elected members of the faculty, and the names of all such persons employed must appear in the regular catalogue as members of the faculty.
5. Extension credits previous to June 1, 1941, shall be in accord with the limited list in effect at that time.

* The West Chester State College does not offer courses by correspondence, nor does it grant credit for courses taken through correspondence.

COLLEGE COURSES FOR TEACHERS

Each semester a number of courses may be offered in the evenings and on Saturday mornings. These courses are planned for teachers in service who wish to continue their work toward a degree. The courses given are selected from the several curricula and are chosen with the idea of accommodating as many teachers as possible.

The cost of these courses is at the rate of $11. per semester hour of credit for legal residents of Pennsylvania. A minimum basic fee of $33. will be charged. For out-of-state students the rate is $15. per semester hour (minimum basic fee — $45.).

No Activity Fee is charged students who are enrolled in the College Courses for Teachers. The payment of the Activity Fee does, however, entitle the student to participate in all student activities and college activities that are provided for by this fee.

Not more than six semester hours of credit will be allowed for courses completed in any one semester by a student who during such term, is a regularly employed full-time teacher.

The College gladly welcomes any suggestions for courses to be offered evenings and Saturdays. Such requests should be mailed to the Dean of Instruction.

GRADUATE STUDIES

West Chester began offering a program of graduate studies in the Fall semester of 1959. The graduate program has been organized in accordance with plans approved by the Pennsylvania State Council of Education. Classes are scheduled for late afternoons, evenings, and Saturdays during the regular college year. A full-time program of graduate work is offered during the last two weeks of the Pre-Sessions, during the regular six weeks summer sessions, and during the first two weeks of the Post Sessions.

The graduate program provides for twelve hours of general and cultural courses with an opportunity for specialization at the graduate level in English, geography, social studies, music, mathematics, health and physical education, and science, as well as required professional courses in elementary and secondary education.

A special Graduate Study Bulletin and further information regarding the graduate program may be secured by writing the Director of Graduate Studies, West Chester State College, West Chester, Pennsylvania.

ENROLLMENT BY CLASS AND CURRICULA

1959-1960

	Men	*Women*	*Total*	*Curricula Total*
ELEMENTARY EDUCATION				754
Freshman	29	224	253	
Sophomore	28	174	202	
Junior	22	129	151	
Senior	25	123	148	
SECONDARY EDUCATION				538
Freshman	106	55	161	
Sophomore	94	54	148	
Junior	82	41	123	
Senior	70	36	106	
HEALTH AND PHYSICAL EDUCATION				539
Freshman	117	68	185	
Sophomore	89	65	154	
Junior	64	32	96	
Senior	70	34	104	
MUSIC EDUCATION				255
Freshman	38	57	95	
Sophomore	30	25	55	
Junior	19	23	42	
Senior	37	26	63	
				2086
Part-Time Graduate Students				
Elementary	12	35	47	47
Secondary	45	11	56	56
Health & Physical Educ.	21	3	24	24
Music Education	16	10	26	26
Special	24	11	35	35
COLLEGE COURSES FOR TEACHERS	30	167	197	197
STUDENT NURSES		50	50	50
				435
				2521

1959 SUMMER SESSIONS ENROLLMENT

	Men	*Women*	*Total*
Pre-Session	234	290	524
Regular Session	288	482	770
Post-Session	200	234	434

ENROLLMENT BY COUNTIES

1959-1960

Adams	9	Luzerne	19
Allegheny	2	Lycoming	9
Armstrong	1	McKean	2
Bedford	3	Mifflin	3
Berks	61	Monroe	3
Blair	7	Montgomery	224
Bucks	67	Northampton	42
Butler	1	Northumberland	10
Cambria	2	Perry	8
Carbon	5	Philadelphia	359
Center	2	Pike	3
Chester	312	Potter	2
Clearfield	2	Schuylkill	45
Clinton	1	Snyder	4
Columbia	2	Somerset	2
Cumberland	29	Sullivan	2
Dauphin	38	Susquehanna	3
Delaware	551	Tioga	4
Franklin	13	Wayne	2
Huntingdon	2	Westmoreland	2
Indiana	3	York	47
Juniata	1		
Lackawanna	9	Total from Penna.	2035
Lancaster	59	Out-of-State	51
Lebanon	26		
Lehigh	33		2086

DEMONSTRATION SCHOOL

1959-1960

Kindergarten	28	Group IV	23
Group I	24	Group V	26
Group II	24	Group VI	24
Group III	24	Total	173

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REGISTRATION

The West Chester State College devotes its major facilities to the education of teachers for the public schools. If you are interested in earning the degree of Bachelor of Science in Education and a college certificate valid for teaching in the public schools of Pennsylvania, please fill in the form at the bottom of this page and return it to the Director of Admissions, West Chester State College, West Chester, Pa.

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WEST CHESTER STATE COLLEGE

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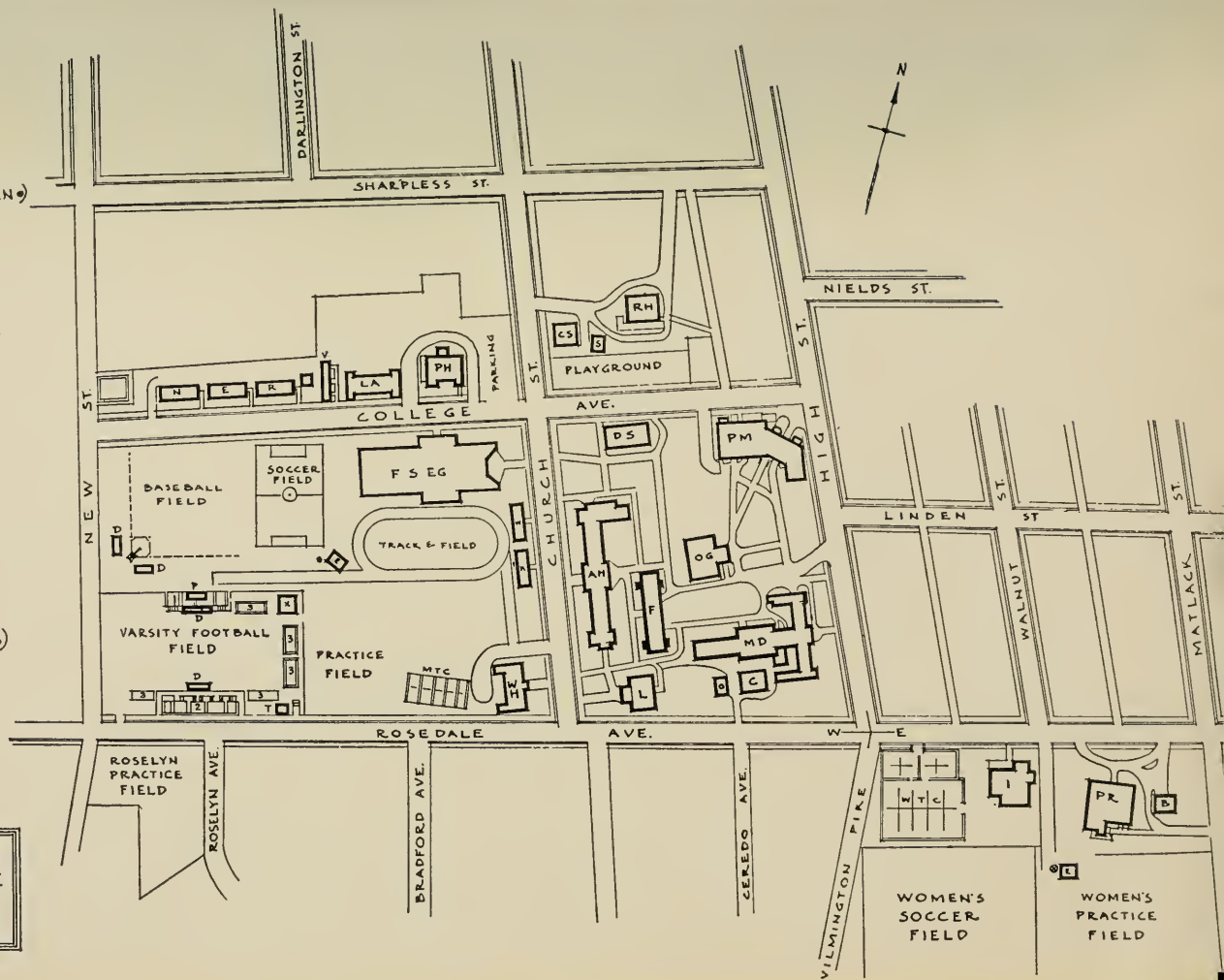
WEST CHESTER, PENNSYLVANIA

PRELIMINARY APPLICATION

1. Name.....
   (Last) (First) (Second)
2. Number and Street.....County.....
3. City..... Zone.....State.....
4. When do you wish to enter this College?
   Month (September, January or June).....19....
5. In what curriculum do you wish to enroll?
   Elementary..... Secondary..... Physical Ed..... Music.....
   If Secondary Education, list Major..... Minor.....
6. Have you attended any other college? Yes..... No..... If so,
   give name of the college.....
7. Do you apply as a Resident Student?.....Day Student?.....
8. Are you eligible for veterans' benefits? Yes..... No.....
9. Date of graduation from High School: Month..... Year.....

NOTE: When this information has been received by the Director of Admissions, instructions for completing your application will be sent to you.

1 — NORTH GRAND STAND (STUDENTS)
2 — PUBLIC - RESERVE SEATING
3 - GENERAL ADMISSION BLEACHERS
AH - ANDERSON HALL (STUDY)
B - BARN
C - CULINARY
CS - CARPENTER SHOP
D - DUG OUTS
DS - DEMONSTRATION SCHOOL
E - EQUIPMENT STORAGE (• MEN - WOMEN •)
EI - EISENHOWER BARRACKS (MEN)
F - FRESHMAN HALL (WOMEN)
POST OFFICE - BOOKSTORE
FSEG - FIELD HOUSE - SWIMMING POOL
EHINGER GYMNASIUM
I - INFIRMARY
K - KING BARRACKS (MUSIC PRACTICE)
L - DR. GREEN MEMORIAL LIBRARY
LA - LAUNDRY
MD - MAIN DORMITORY (WOMEN)
MTC - MEN'S TENNIS COURTS
N - NIMITZ BARRACKS (MEN)
O - OIL • GAS • PAINT STORAGE
OG - OLD GYMNASIUM
P - PRESS BOX
PH - POWER HOUSE • GARAGE
PM - PHILIPS MEMORIAL
PR - PRESIDENT'S HOME
R - ROOSEVELT BARRACKS (MEN)
RH - REYNOLDS HALL
S - SPRING HOUSE
T - TICKET OFFICE (GEN. ADMISSIONS)
V - VANDERGRIFT BARRACKS (MEN)
W - WASHINGTON BARRACKS (MEN)
WH - WAYNE HALL (MEN)
WTC - WOMEN'S TENNIS COURTS
X - CONCESSION STAND



PLOT PLAN
STATE TEACHERS COLLEGE
WEST CHESTER, PA.
15 OCTOBER '52